

# FIGURE 1-A

>3:198232901-198309500

1	actaagttac	tacaaagcag	ttaacatagt	ctcagatatt	aaaaatttaa	gatactgaag
61	agctaagtca	attcctgata	atctcttaaa	tttgtgatct	atctctttca	ctgtattcag
121	atcttcatat	ttRtagtctt	tgcttagagt	cttcccaccc	gccccacct	cgctctgttg
181	ctcaggccgg	agtgcagtgg	tgcaattccg	gctcatcgca	gcttctgcct	cctgggttca
241	agtgattctt	gtgcctcagc	ctcctcagta	gctgaaatta	caggatgtga	ccaccatgcc
301	tgtttaattt	ttatgttagt	agagacagag	tttcatcaag	ttggccaggc	tggtcttgaa
361	ctcctgcttt	caagggattt	gcctgctttg	gcctcccaaa	gtgctgggat	tacaggcggtg
421	agccattgcg	cctggccaag	tctttgcctt	actcttaaca	attcctcaca	gtacaccttc
481	tatatgttca	aaacatactt	cggcatttta	aagttacttt	tcctttaaac	cttctatttc
541	atttacctac	ttaagattcc	taccttttcc	ttttgtttca	atcaattgat	acttttagtc
601	ctatcagtct	ccacatttta	cctatcctgt	gtatattttc	gtaaatactc	ccaccaacat
661	atttttgttt	tgtttttaag	gttttttttg	agacaggctc	tgctctgttc	atccaggctg
721	gagtgcagtg	gcacgatcat	ggctcatagt	agctctgacc	tcctgggctc	aagcaatctt
781	cctacccttag	cctctcaagt	agctgagctc	acaggcatgc	atcactatgc	ccagctcatt
841	tttaaaatta	cttgagcgga	cagggtgtcc	tatgttacc	aggggatctt	caactcttag
901	gctcaagtga	tcctcttgct	tcagcctccc	gaagtgtctaa	ccactacacc	tattttctta
961	aattttttatt	ttgacggaag	agtttcatcc	cttttttcag	ttaagtcatt	tacactcctc
1021	tcctagaatt	acatcaaaac	tcagcaaagc	tataatttta	cataagagat	tttctccatt
1081	caacatctca	aaaattcctg	tatcaaacca	tatttcttgt	catgaaacgt	ataggacgt
1141	atctgaactg	ctggctacaa	gttagtatgt	atacgcttat	acaaggagag	atatttaaaa
1201	gctgattttt	tcatttgata	tcccctttca	aattttaacc	tttgttttca	ccgccacact
1261	agaagtaaaa	agtgaaggaag	gggtatgggg	gaaattggac	ttcctcaatc	tcctcttaac
1321	atgcaatccc	tataaagaaa	aacattctatt	tataactgta	ataaaataca	ttaaaccacag
1381	atattaaacc	caagagaaa	aattctcaga	ggatggatac	tattaattgg	cttaaaagaa
1441	aagggaaact	atttttaaga	agggcagtta	gttgttttaa	gtacaatagc	tcctcggcat
1501	actcggagga	ttagttccag	aacccacgt	ataccaaaac	ccgtgcatgt	tcaagtctaa
1561	caggaggcct	tgtggaatct	gacaggcata	tggcattttc	tatcccagtt	tggttgaaca
1621	gcacgtgcgt	aagtggacac	tcgcagttca	aacctgtgtt	gttcaagggt	caactgcagc
1681	acaggcgctg	agaaaaatac	agcaaggga	gtgggaaagc	aggagactga	aaaaaatattt
1741	aattacttat	ctactactga	aaatgataag	aaatgacaaa	tgtctgcaaa	taaatgccac
1801	tagtccactg	caatcttccc	agattatctc	cacctcttct	ccctttgggt	ggtataagaa
1861	gtaataatga	aaataaagtc	aggacactgg	gtgtagaaaa	tctacctttg	taactcaaga
1921	tttcaatcaa	agctttgaag	cgcagaaaag	ttaagtgaact	atggccctaac	ctctctagac
1981	tctggctcact	tgcaaaatag	ggattatgcc	accaaacagt	ttttttcttg	cgaaaataaa
2041	atatgtcaca	aataaagac	ctaaccaatg	ggaaagagaa	aataaattta	acttatatat
2101	tgagtttctt	tccaatttat	ttcttttatg	gtattattac	aatataatta	atgctttctg
2161	aacaaaagat	tgagatataa	gtcttgaaag	ttggccctaat	actcttgagg	aacaataaga
2221	ttaaataattt	gaggtgagag	attccaagag	tttaattgagt	agttgaaaga	gtaagaacag
2281	ggtatggaga	cccaccagga	acccacagt	tgccacaaa	attttaagct	gaagatatct
2341	gagattcaac	agatgcagga	aaaaagcctt	ctcggagttt	ctctaactctg	actaaaagggt
2401	gcagcttccg	agaaatgaag	ttaccataaa	tacctcttga	ggagtctgat	ggccccgaag
2461	aatggaaaga	ccagtcatac	cagtttagac	aaatgtcatc	acaaacttta	tccccatct
2521	cttctcctaa	aaacttgtct	ttcctgaaga	aatgtacgtt	tttctaataa	aagctgtttc
2581	tccttccttc	ctttccctac	tagatttagt	gtacaagctt	ttaacttcat	ccacaagcta
2641	gcttcagtat	ttcttctgtt	gcctcttgca	tccatataca	agaaaactttt	tttccatggt
2701	aatctgtttt	ttttgtcagt	ttacttcaca	ggcccgttac	tgaacataca	aggggtggagg
2761	aaaagggtttt	tcttcgctta	aaaggggcta	gaagaaatct	taaccgttta	acagttgtgt
2821	aactagcaaa	ttacttggtc	tctttatgga	agagcttatt	caactacaac	gtaaaacggg
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2941	ggttcggtatc	atgcatggcg	tcaggtttta	ctattatata	ctatcacagg	agattctttt
3001	tttttttttg	agacagagtc	tcgctctgtc	gccaggctg	gagtgcagtg	gcgtgatctc
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3121	agctgggact	acagggtgcc	gccaccagc	ctgggctaatt	ttggttttgt	atttttagta
3181	gagcgggggt	ttcaccgtgt	tagaccagaat	ggctctctatc	tcctgacctc	gtgactctgcc
3241	cgcctaggcc	tcccaaaatg	ctgggattac	aggcgtgagc	caccgcgcct	ggccaagaga
3301	ttcttaaact	ataggaagta	tgtgataaaa	ctttataact	ttgggatatg	gagtcacaaa
3361	cgagtatagt	attatatttc	cagttcccat	gttcgattat	ttttattttt	attttgagac
3421	ggggtctcac	tctgtcgccc	aggctcaagt	gcagtggtga	gatcatagca	atcctgcctt
3481	ggctgggact	acgggtgcgc	actaccagc	atggctaatt	aaaaaacttt	aaaaaaaggt
3541	ttagcgagaga	caagatcttg	ctatgttgcc	caggctggtc	tcgaactcct	gggctcaagt
3601	aatcctccca	cctaggcctt	ccaaagtgtc	gggattagag	gcctgagcca	ccacgtccag
3661	ctaattttctg	ataatgattc	tccaaaaaga	ttaacagtaa	aggcccccca	aagtgaatta

## FIGURE 1-B

3721	ttccttgcc	ttggaattaa	taaaactgaa	aggagttaga	agataatggt	ccttcatatg
3781	tctgtgtag	attatttttt	ctcataatca	gaatccaagt	caagaaagt	caaagtacac
3841	aagctgaaaa	accataaaa	gtactttttt	ggaagactaa	taaggcaaac	catagatcct
3901	gaaagataaa	aaacttaatt	ctaccaaaa	cttacctttg	tctctatctg	tctgtcttgt
3961	atgtatatat	ataagattat	caacaaggca	gagaatccca	agccttttag	aaagatacta
4021	actgcaagat	gctgattatc	agagtgtcgg	atgactcctt	ttgtacttct	taaaatccga
4081	tttgtgttaa	tgtttttggt	ttgtgtgtgc	gtgtagctaa	cctgttacta	agctttgatg
4141	cttttcccca	cctcttatta	tctttgtatg	aatgtgaggc	tactttttaa	ttacttatta
4201	ctggggctgg	gggctgtggc	tcacgcctgt	aatcccagca	ctttgggagg	ccgaggcagg
4261	cagatcacct	gaggtcagga	gaccagtctg	gccaacatgg	tgaaaccccg	tcgctattaa
4321	aaatacaaaa	ataagccggg	cgtggtggca	ggtgcctgta	atcccaccta	cttgggaggc
4381	ttgaacctgg	gaggcggagg	ttacagttag	ccgagattgt	gccactgcac	tcacgcctgg
4441	gcaagagagt	gaaactccat	cttaaaacaa	acaaaaaaa	ttacttatta	ctttgctaga
4501	ttttgctaga	gtagctattc	cagaaagtcg	aggggtgcag	gaaagataga	ggcacaggac
4561	atttttacag	gttttaaaac	ccaaatactg	tcacattatc	tgatcctaca	gaggcaggct
4621	gctttatcca	aatacgggtc	ctctgctttt	ctaaaccaa	ccacattatg	agtgaatttt
4681	tataccatat	cctaaatttg	tgccatcaca	aacattctca	acattccata	ttttaactct
4741	tccctctttt	ccgtgtggct	tctgcaagac	ctcagctgct	taaggagtct	ttacctctac
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4861	tgggttaggag	catgcgtgta	tgttttgttt	ttcttactgc	ttttgtgtgt	tctgtgtggt
4921	ttgaggttag	ggagcagata	ttaagttacc	cgtaaccata	cctaaaaagt	ttatatctct
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5161	gttagtctct	attgtttggt	taatgtgaat	taatattcag	aatttactcc	caattaaaca
5221	aattttcccc	tgtttagtta	ctaagcctaa	aaggccaagg	ttttactaga	ttgatagaac
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5341	atactagatt	aaaaaagaaa	ttctgcttca	aaaaagaata	aatgtaatta	gttgataaat
5401	tacagaatta	ctcatttagc	tcctttactc	acatcatctt	ttccttattc	atcatgttgt
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5761	ttataaccta	attcaaaaag	tagaaaaaat	ctgggtgacc	taattttttt	gggcattatt
5821	actatatctg	cttatggttt	ttattatttt	ttcagatcaa	ttaagtagta	aaagggacat
5881	taaaagctat	gtcttcagtt	acagaacaga	tttaaaaaag	ttaaacagtt	aattaaccca
5941	cataatgggg	gttttgtggg	ttaagcttgt	ggatgccagt	tcccacatca	ttaaaaaata
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6241	tcgcaccact	gcactccagc	ctgggcagta	agagtggaa	cccgtctcaa	caaacaaaaa
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6481	taactataga	caataagaat	gttattacct	tcaggtcgat	attgtgcaac	aattgtgaca
6541	gcctggccag	catttttcaa	tgcagctgct	gcctgctcat	gactagcagc	tctgaggtca
6601	acactgttta	cctgtaaatc	aaaccaaata	ttaatttggg	agaaaagaat	cactgtgatt
6661	agaaatcaca	atagtctatt	ctttgagtaa	gcatgtatta	aaaaattagt	tgcaataaact
6721	taccactata	aatgtttctt	gttctgattg	actaaaaata	tattgtgtag	taaaacaaaa
6781	tattatcatt	caaagctatt	ttatttacta	aaaccacctt	gcttaatgtc	aagttagtaa
6841	aaccaaaaca	ttttccccta	gaaggctggg	tatcaatcca	ttgagaaatg	taccttaatt
6901	tgagaacctg	aaaaatcaag	tggcatcatt	ttgcacactt	tattttgcta	ggaactcaag
6961	caatgggagg	gaaagtcatt	ttgctttagt	catccattta	cctcctgcca	cattctcagc
7021	cctactgtct	aattcagttc	caattatttt	tcttctgtga	caaactaaaa	cttccattct
7081	tttgggtata	taggaaagct	attattttag	aatatttaaa	cagctcagat	ttcaaggact
7141	gattttaatta	gaataaatgt	taattaaatg	aaccaggagt	tattttttga	attaagagcc
7201	cttcccttag	tgaaataatt	atccaatctt	accagtaggt	acaatcctac	tccagaagaa
7261	gaggcaactt	aattcttatt	tctcaaaggt	taccaatact	ttgcgcgcac	atatacatat
7321	atagtgaag	gtacattatc	ttaagagatt	gttccttttc	cacaataaga	caaacttaag
7381	aggacattca	tggaagcatt	atacttgaa	gtaataaact	ttaaataacc	aattaaaaaa
7441	aattaagaag	caacaatgaa	tagaatatgg	caatgttcag	gaccttcact	gaaaattttt
7501	ggaaaggaac	gatcatcatg	caatttttca	acaaaaactt	gttttgttga	gaactaatct

## FIGURE 1-C

7561	aaaatctggt	aaagatcaca	tatcactttt	aaaaaatttg	actatgagcc	cagaaattct
7621	tgggatcata	aattttacata	aagaacattt	taaccatata	aagatctgat	gttttatatt
7681	atctaaaaag	aaaccattat	gcaactaaat	ttaaatacat	accccttgag	gctgggcatg
7741	gtggctcaca	cctgttatcc	cagcactttg	ggaagctgag	gtgggtggtt	cacttgaggc
7801	caggagtctc	agaccagcct	ggccaacatg	gcaaacacct	gtctctacta	aaaatacaaa
7861	aattagccgg	gcatggtggt	gtgtgcctgt	agtcccagct	actcaggagg	ctgaggcatg
7921	agaatcactt	gaacctgRga	ggcggaagtt	acagtgaagt	gagatcacat	cactgtactc
7981	cagcctgggt	gacagagaga	gggacgctct	gtctccagcc	agcccccccc	acccccctca
8041	atgaaaacca	agatctaaaa	tccataacat	aaacaaatgt	aaacaatgtg	gttattagta
8101	tctccagctg	atgatggcca	tataaaactc	aatacaatgt	ataaacagtt	ctacttagtg
8161	cataaagaaa	atcctcccaa	ttcctgggag	aacatatcag	gcaagaaata	taaagaaaga
8221	cagggttttc	acagattatt	gtagaaaaga	ttaagaatgt	taatgaatta	tttctgtgca
8281	ccaaactctt	ttaagagcat	aatttgttga	acaaaactac	atattaaaga	ctttccagac
8341	tatcactgaa	catttcaatt	gaagatacat	tattaaggat	attttagaag	aaattccagt
8401	actgagagag	atacttgtat	aaatagcctt	agagtcaact	tttttctttt	acaccgacat
8461	ttttaaaaa	ggagaaataa	ttcgcatacc	atagaattca	cattttttaa	gcataatgtt
8521	tagtggtttt	tggtatattt	gcaagtctgt	gcaaccatca	ttaccaccta	attccaaaa
8581	attttcat	ccccaaaaag	aaactctgta	tccactgaca	gtcactcctg	tgtctcctct
8641	ccatccctgg	caactacgaa	gctactttct	gaccatactg	tacatatacc	tatatatacc
8701	tattcgggat	atttcaaata	aacgggat	ataatatgta	gccatctgtg	cttggtctct
8761	ttcacttatt	ttccagggtc	acccttggag	catgtatcag	tacttcattc	cttattagta
8821	gtggcgctaa	ataatgcgcc	actaaaatcc	attaaaaatg	gatatactgg	ccRggtgtg
8881	tggctcacgc	ctgtaatccc	agcactttgg	gaggccaagg	caggcagatc	acgaggtcag
8941	gagatcgaga	ccttctctgg	taacatggtg	aaaccctgtc	tctactaaaa	atacaaaaaa
9001	attagccggg	cgtggtggca	ggcacctgta	gtcccagcta	cttgggaggc	tgaggcagga
9061	gaatggcgtg	aagctgggag	gcgagcttgg	cagtgaacag	agattgcgcc	actgcactcc
9121	agcctgggcg	acagagcaag	actctgtctc	aagaacaaaa	aacaaaaaaa	ccaaacccaa
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9301	actcatttat	tagcttgaca	gtctgttgtt	gtatttctta	agattttttc	tatacaagat
9361	tatgtcatct	gcaaacagaa	atagttttct	tgctttttat	tctggtagcc	tttttttttt
9421	tttaattctt	cctaatttct	agaacctcca	ggacaatggt	gaatagaagt	aggaagagca
9481	gatacccttg	tcttgttctt	gatttttagag	ggaaagcttt	cagtctctca	ccatttagta
9541	tgatgtcagc	tatagggttt	ccagagatag	cctttaacag	gttgaagttc	ccttttattc
9601	ctagtctatt	tagtgttctt	atcatgaaaa	gctgttggtt	tatgacaatt	gctttttctg
9661	tgtctactga	gatatcatgt	gcttttatgc	ctttattaag	atgggtgtct	actttgattg
9721	gtttttctat	gttgaactaa	ccatgcattc	cttgaataaa	ttccatttgg	ttatgggtaca
9781	tcatccttgt	tcatgctgtt	ggatccaggt	tgttattttg	ttgattttta	catctatatt
9841	catatgggat	attgggttgt	aattttttct	tcttgtgatg	tctttgggtt	ggtataagga
9901	taatactggc	cacacagaat	gagctggaaa	gcattcctca	tgcttattcc	tttttgggga
9961	agagtttgtg	aatgattggt	gttaattctt	taaatgtttg	gcagaatgta	ccaggtgcagc
10021	catctgggtc	tggaattttt	gtgttttgtt	agtttttgat	tactaattca	atttcttgtt
10081	tttaaatcta	ttaaaattct	ctatttcttc	ttgagttagt	ttcagtagtt	tatgtctttc
10141	tagaaatgta	ttgtaatta	gagtatataa	ctataaaata	tataccatct	atgactacat
10201	aatgatatac	tataaatgtc	tttcgccttt	agtaataatg	tttttcttca	agcgtccttt
10261	gatattagtc	atattagtac	agccacagta	ggtgtctttt	ggttactttt	tggttaatgc
10321	atcttttcca	cccgtttact	ttcaaccttt	ttgtgtcttt	gagtcataag	tgtctctctt
10381	gtagaccctg	tgtagttgga	ttctgttttc	taatctactt	tatcaacatc	tttggccttt
10441	taactggagt	gcttaatctg	tttatattta	atataattac	tgataatgta	gaatttactt
10501	aatttgggta	tttgttctat	gtcttttctt	tctctattcc	tcaattactg	cattattttt
10561	atattaaata	gatatttctt	agtgtaccat	tttaattccc	atgtcattaa	ttttactaca
10621	tataatttgt	agtcattttc	ttagtggtta	tcttggatta	taagtaaaaa	tttaaagcca
10681	gatgtggtgg	ttctagactg	taatcccagt	gactcagggt	gctcaggcaa	aaggactgaa
10741	gcaggagcat	cacttgagta	caacactttg	agggctggct	aggcatcaca	gtgagaccct
10801	tatctctaaa	aaaataaaga	aaacaattca	gccagggtga	gtggtgcata	cctgcagccc
10861	agctactcgg	gaggctgagg	cacgaggatt	gcctgagtaa	gtttgaggct	gcagtgagct
10921	tactgcctgc	tactgcactc	cagcctgggg	gacagagtga	gatgctgcct	ctaaaaataa
10981	ataagtaaac	aaacaaacat	tttataagaa	cctagtttct	ttaccgcctt	tgtggtgttg
11041	tcatattaat	tttatgttta	tacgatgtgt	gcacatcaaa	tttgtaatta	ttgctttatt
11101	cagttgtttt	taaaaatcagg	ttggagaaaa	aaagagttgc	atataaaaca	atacccttat
11161	gttgttttat	atttacctgt	cgtttgcctt	ttacttaggc	tctttatttc	ttactgtgga
11221	tttgagttac	tctctagttt	cctttcattt	tagtctgaag	gattctctta	tttctatag
11281	ggcagggttt	tgagagatga	actccttcag	cttttgttta	tctggcaatg	tctgtatttc
11341	ttctttattt	tcaaaagata	gttttgctgg	atatagagtt	ctagtcaaca	aagttttttt

## FIGURE 1-D

11401	cttttcagaa	ttttgaattt	gttattttcac	tgcttttctga	cctccatggt	ttctgatgag
11461	aaatcagcta	ttaaccctgt	tgaggatccc	ttgcacgtgg	tgagtcattt	ctttttgcta
11521	ctttcaatat	tctgccttcg	gcttttagaca	gttcgattgt	aatgtgtcta	tggtgtagat
11581	ctcttttaaat	taattttaact	tggagttcac	tgaggttcct	ggattaatgg	ttttaatcaa
11641	gttctagaag	tttttgggcg	agtattttatt	caaatattct	ttcttctttt	ttctctcttt
11701	cccactcttc	acatactccc	attatgttgg	taaatttgat	agtatcccat	aggctctgga
11761	agctgttaat	ttttcttcat	tctttcttct	ttgtttattg	ttcagttcct	cagcatcaaa
11821	atctcaattg	acccatcttc	aagtttgctg	attctttctt	ctgccagctc	aaatctgctg
11881	ttgaccttgt	ctagagaatt	tttcatttaa	gttactgtac	tttccaactc	cagaatttct
11941	atttggttct	tacatataat	ttctaactct	ttattgatat	tttttacatg	gtgagatatt
12001	gttcctttac	tttcatgtca	gtctacagga	tggttttctt	ttattccttg	aacgtattta
12061	aaataacctg	tttaattgtct	ttgttttagca	tgttcaatgt	ctgaccttcc	ctaggaacga
12121	tatccattga	ttgcgttttt	ctcctgtata	tggggccatac	ttttctttcc	gcttgtctca
12181	aaatttttat	acgaaaaata	ggcattttaa	ataaatataa	tacggcaact	ccagatagca
12241	gaactgtcct	cttatctacg	cttgctcattg	ctgtctgtta	gtgacttttc	ttaatgttat
12301	aaagtccgta	ttctttgttg	tgtgtggcca	ctgaggtctc	tgtctgggta	gcttagtggt
12361	taatgactga	atacataatt	ccttaaatac	ctgaaactta	caaactcttc	actcttttcc
12421	aagggctata	tgtgcatttt	ggggccacc	tttaacactc	agataagcaa	ttaacaactg
12481	ccttaaatacg	cttgacagga	ggctcatgat	caggtagagg	tgagagttaa	aggccttttc
12541	tagtcttttc	tgagcatgcg	cacagccctg	aacatgtgtg	tggccttctg	gttccaagga
12601	tacacggagg	tttcaaagg	cctttaggag	aattcactcc	tccaattttc	cttttaagtt
12661	tattgatcgg	tctactattt	cttagtgctt	ttagggcatt	tccctagaga	agttcagtaa
12721	gcattaaaaat	tttaaggtta	ctgatgcata	ttgctaaaca	taatgctgta	tttaactgca
12781	ctcacattag	ggtgagctac	ttccctggac	tagctgagac	ttccagtttt	agaatcaaga
12841	ccaaagggtt	tccagacatg	gggcattcag	ttctaaaacc	atgaatgttc	tgggtgaact
12901	aggttgaggt	ggttggtctc	acacacttta	gcactgtatc	aatgacctat	ctaaagtggg
12961	tccaaaggga	caatttaaaa	acatctatta	ctgaactcta	ggctaaacga	aaattttatt
13021	ggacacaaag	tgtgaagtga	ggctctaagc	taattttatt	tccctaaata	actaggtaat
13081	atgttcaaca	atattaatct	tttaagtcca	ttccctacca	ctaagttttc	cttatcatat
13141	tgtaacttaa	ataaattaca	gtatatttta	caatgaaatg	tagaaatttg	aacagctcag
13201	ctgaaaggat	tttgctaacc	Rtaaaaaatc	tgaaccact	accccagaca	agacatgat
13261	cttttccacc	gatgttcaac	tgtgcacttc	tatagtcagt	cccaatcact	ggcaaccact
13321	ttctgactta	cagcaccaca	agttagtgtc	acctgctctt	gattatcatg	taactggaat
13381	tatatagatt	gtatttttgt	tatctgtttt	gctcaacata	cttggtttgt	gtttcagtag
13441	ttgttccttt	taattgtctga	gtagtattat	attgtgtaaa	cataccacaa	tttagcaatt
13501	gtcctgctga	tggaaacctg	ggtcatttca	aggctagat	tattatgaat	aaggttgtaa
13561	agaatgttct	tgtcaaagtg	tttttgttga	tgtatgcttt	catttgtcct	gggtaaaacc
13621	tgggtgataa	gattagatgt	atgttttaact	tcttaaaaac	cttcccaaaa	gttcttgtag
13681	tggatatacca	tttacacgtc	cactagtagt	gaatgagggt	tgtagctgct	ccacatcctc
13741	atcaatgaat	gttggttattt	ttttcttttt	ttgttcaact	aagtgggata	tagtatttca
13801	ttacgacttc	aagaatacct	atttttctct	aggcataatc	aatcttcttt	agtgtatagt
13861	taagttttgg	caaatgtgaa	tttcgtgcag	ccaccacaa	tcaaaatata	gaacaattac
13921	atcactctta	ttcaactccc	tacaaacctc	ttcattcact	gcgggtttgtg	cacttctctg
13981	atgcctaata	tttaagcacct	tttcatgtgc	ttactggcca	ttcacatata	ttttgtgctg
14041	tacctgtctca	agtcttttgt	gcatttttaa	ttgggttatt	catcttttta	ttgttgattt
14101	gtaggagata	tttatatatt	gtggatacaa	gtagtatgtc	atgtatgtgc	tgagaatatt
14161	ttttaccact	gtgtggcttg	cctattttgt	tttttctttt	cttttttttt	gagacagggt
14221	gttgctctgt	tgccaggct	ggagtgcagt	ggtgggatca	aagctcactc	actgtagctt
14281	caaacacctta	agctcaagtg	atcctcctgc	cttagcctcc	caagttgctg	ggactacaag
14341	tgccacttac	tatgtctggc	taattaaaaa	aaaatttttt	ttttaaagat	ggggtcttgc
14401	tatattgata	aggctggtct	caaagcctcg	gctcaggcg	atccacctgc	ctcagcctcc
14461	tgagttactg	ggattataag	caagagctac	gtcacccagc	gtatttggtt	tttaaatgtc
14521	atcttcttta	tggttagtgt	tttatgcatt	ttgtccaagg	aactgttacc	tactctaggc
14581	ctgtgaacat	agtctctgat	attttcttct	aggaagatta	tgggtctgag	ttttatattt
14641	agatctataa	tccatctaga	attaaatttt	atgtctggag	taagactggg	ttaggtttat
14701	aattttatat	acagatatct	aggttatata	gcaccatttg	ttaaaagat	tttcccttct
14761	ctattgaact	gacttgggtg	ccctctggta	ctatttaaga	aatattgtcta	atccatattt
14821	actaagattt	tcttgatagt	tttcttttag	aagtttagtt	ctatgggtcca	tttcaagtta
14881	atttttctat	acaacatgaa	gtaagaaatg	agattcttct	tcttttctct	gtgtctactt
14941	gttctatcaa	ttaaagaaga	gggcatttaa	atctccaaat	gtgactgtag	atttgtccat
15001	ttccttctct	agttctgata	atttatactt	catgtatttt	gaaagtatta	cttaggtatgt
15061	cttcttgatg	aaatgacact	tttatctttc	tcgctgcttt	tataattatg	aaatctatgt
15121	ataataacat	tatttgtctt	aaattctatt	ttgtctcata	ttaagacagt	agcttttagta
15181	tgctatttgc	atagtgtacc	ttttttcact	tttacttaca	acccatgaac	cttttatattt



## FIGURE 1-E

15241	aaagtaaatt	tctgataaac	agtatatagt	ttgggtcttgc	ttttttgaac	caagccgcaca
15301	atttctgtat	ctttaaatacg	tagcttttta	gatttagataa	agaaaatttta	agctgtctata
15361	gtttcagatt	agatatagat	aagatatagt	taagatacag	ttataggtaa	ggtatagata
15421	agatgtagtt	tcagattaga	tatagataag	aaaattgaag	ctgctacagt	ttcagcttct
15481	tgggaggctc	aggcaggaat	atcgtttgag	cccgttaagt	tgaggctata	atagtgtctc
15541	atgattgtgc	ctgtgaatag	ccactgtact	ccagcctagg	caatgcactg	aagccctgtc
15601	tcttaaaaaa	taaaagaaaag	aaaaaagaaa	agaaaatttta	taaacttgaa	ttacaaggag
15661	acagagctgt	aaatatgaaa	ttgggggttaa	cagacatgaa	aaacagattc	acatccactc
15721	ataggagttt	agggacagag	tacatacaac	atgggaaaagg	caaaatttga	aaagacaatg
15781	gctaagtctt	cagaattgat	gagagaagtt	tttagaattg	atgaaagaca	tgactcctct
15841	gactcagtag	gcataatgaa	tcccaaacac	aataaataat	atgctagaca	tcgacaaagt
15901	ttcacatttt	agtgaactcg	cagcacatca	aacacaaaagc	atcttacaag	cagccagcaa
15961	acccccacaa	gtcacctacg	aacaagacag	agtagacttc	tttcggttaa	tagaaaacac
16021	acgccagaca	acataaaaca	gtatcttcaa	aatactgaga	ggtaacagct	atcaacctgt
16081	gtaattctag	attgaaactaa	cttttaaaagt	gaaataaaat	aaagatactt	tcagataaaag
16141	tctagaatat	ttacgattaa	ggaaccattg	ctgaaagcac	aaatcaaggg	cttgcacact
16201	aagggtgcatt	tagatatctg	aagggcattt	ttgcttttta	caatgactag	ggagttttac
16261	tagcatgtag	catgtatatg	aaagctttta	aaaaaaggga	attttcggcc	aggtgcagtg
16321	gctcacgcct	gtagtcccg	cactttggga	ggccgaggtg	ggaggatcac	gaggtcagga
16381	gatcgagacc	atcctggtta	acaaggtgaa	accccgctc	taaaaataca	aaaaaattag
16441	ccaggcggtg	tggcggtg	ctgtagctcc	agctactagg	gaagctgagg	caggagaatg
16501	gcatgaaccc	gggagcgga	gcttgcagtg	agccaagatc	gcgccactgc	actccatcca
16561	gcctgggcaa	cagagcgaga	ctccatctca	aggaaaaaaa	aaaaaaaaaa	aaaaaaggga
16621	aattttctat	gaagagcaag	acagtcctat	acaacaaata	actgtacaat	ccaaatgctg
16681	ttagtgggcc	actgagaaac	acagaagagg	gaagatacaa	gatgggacgg	taacaaaaaa
16741	ttgtatgacc	tgtggattaa	ttttaaataa	acaaaaataa	aaattacaat	ttatgggtat
16801	aaacatgaaa	cagaagttaa	atactagaaa	tggcatgatt	agaattaaag	tttcccaaag
16861	tctgtgtgtc	acagtagaac	tataggtaag	ttttagacaa	aaattgtgta	tgggtaacaa
16921	cataagcaca	caaattgaaa	gtaagaagag	gagaaaagat	gacacaaata	tcaagccaaa
16981	aaaaaaaaat	cagccacatt	aatagcagac	aatatagatt	ctagggtaaa	accactatta
17041	taaatcaaga	tgttcattac	ataataacaa	ctataaaact	atgtgtaccc	aataatacaa
17101	tttcaaaaga	catactaaaa	aaacctaatg	ctatgaggac	caactgttga	acctatgttt
17161	gggtagcttt	aaaaaaaaatca	tattttggata	gctttcaaaa	cctcaataga	tcaagaaggt
17221	aacagattaa	agtataaaga	agtacacaag	taacaaactt	gagttaatag	acacatagca
17281	aactttcYag	tcaataaata	gagaacacat	aattttcttca	agcacattta	taaaaactga
17341	cccctttcta	taaaaagaaca	cctattatat	aatatgttct	ctgacactac	aattctacaa
17401	ttaagctgta	aaatgttaag	aaagataacca	agatatcccc	attacttttag	gatataaaaa
17461	aacagaagac	cttgctttta	aaataggtcc	agtgaataa	acaaaaacgt	gatcttgact
17521	aacgtgtctt	accgatataa	tacgatctcc	ttttctgagc	tctccactta	gatcagcagg
17581	tcttccggct	aagataaagg	aaataaatat	tccttctcca	tcttctcctc	ctacaatggt
17641	gaaaccaagg	cccggtgagc	cacgatgaag	aacaactttt	ctagggttccc	taaaaattaa
17701	aaaaaattga	gtatcttgga	aatttttat	aaaacctgac	attctatcag	tgagaactac
17761	ctactgataa	tttttatggt	atcaaaactac	aaagaaagct	agacaaaata	taaatgggtt
17821	ttctaaaact	acgagataaa	gagattctaa	gcctacaaat	caaaggaaaa	aatctaattt
17881	tatataaaag	caaaaaacct	gtgttatata	aaacagaaat	gaaacccaaa	cagaaaaaaa
17941	acgtggaaat	ttaaaagtat	tataagagct	tatcaggaaa	tacacatact	catgaaaagc
18001	tgatgttgca	cactttattg	ccttcaaagc	aatcactgcc	cctacttaga	agtttaaaag
18061	gcagggtatcc	ttttgtctta	gagaaggcag	gccctttctc	cagtctcaaa	gggatgaacc
18121	ataaccaacc	taaacaagtt	attgcaatcc	catgcccctt	tgctgagggtg	agagtataac
18181	cccatctctaa	cctctggtaa	atgaaggga	attttattgt	cattttctag	agacagacaa
18241	accttatctaa	ggacaaaagc	cttttgctac	cttccctttcc	tcaaaaaaac	gaaacaaaat
18301	aaacaaaacc	ccacacgact	gaataataca	atccctttac	tgggttgga	atattataat
18361	caggaagggtg	aaaccaagag	tataccgaag	acaccacagg	cctaagggttg	ctataccaac
18421	cttggaatg	cccattctca	ggctttttat	atgaaataat	taaaacctat	ctgcaggggc
18481	acaggtaggt	tttatcatat	tagtgatggt	ttatttccta	aattagatgg	tgaattccgg
18541	atttactggt	cccattatgc	tttaaaatat	gtatgaatta	gaattttata	ttaggaattt
18601	atacttgatt	aaaaaatact	cagctgaaat	tcaacagtat	ttccagggga	aaatacactc
18661	tgattttcaa	ataatgtaag	cacatgaaaa	ggtgctcaac	atcatcagtc	actagggaaa
18721	gagatataaa	aataatgaga	tacttcaggt	ctactaggat	ggctattaaa	aaaaccacaa
18781	aacaaaaagt	aacaagtgtt	gatgaggatg	taaagaaatt	gcaactcaca	cattactgat
18841	gagaaataaa	aacggtgcag	gcactacgaa	aaccagtttg	gtgggttctc	agaaagctaa
18901	catagaatta	ccatatgact	cagcaattcc	acccttaggt	atatatccca	agtaactgaa
18961	agcagtgatt	tggacagata	cttgcatgcc	agtgtttatt	atagaattac	tcacaataac
19021	caaaagggtga	aaataactca	agtgcccatc	attagatgaa	taacaaaaat	gtggcatata

## FIGURE 1-F

19081	tgtataattg	aacagtattg	tcataaaaaac	aatgaaatt	ctgatacatg	ctaacaatg
19141	agtgtatctt	gacaacataa	gtgaaatagg	ccagtcacaa	aaggacaaat	attatacagt
19201	tccactttta	taaactatcc	agaataggca	aattcataga	gacaaaaagt	agattaaagg
19261	ttaccagggg	ctgggaagac	agtggaaagg	agaattactg	cttaatggtc	acagagtttg
19321	tctgaagtaa	tgaaaagggt	ttggaaatag	tgaagggttc	cgaaaattgt	gaatgcaatt
19381	aacactactg	aattgtacac	ttaaaaatag	ttaaaatgtc	aaatttttgt	atatatattt
19441	cgctacaatt	tttaaaaact	gatgtaatat	accacaaatt	gtatacttta	aacaggtgaa
19501	atztatgata	tgtgaatcat	atctcaataa	agctgttaaa	aaataaactt	tagaaccaaa
19561	atgtaggtat	gttgtgattt	ttttttttac	ttttttgata	ttggtaacat	ctgaaagact
19621	gcttaaagtc	aaattgtgaa	gaacttataa	tgttggaag	attttatact	tcattattac
19681	aaagtagtgt	gattatcaaa	agggagtggg	tcataactta	aagtccaatg	caatattcta
19741	gacaagagac	tcaagtgaag	aagcatgagg	aacagtaatc	aaggtgcaaa	tataacttat
19801	tttttagttt	gtaaaatatg	caaagagatt	aaagactaga	taagccattc	actattacag
19861	ttccctctt	tacggcctta	aataggcact	attagaaagt	aataaaaaata	aatggcaatg
19921	aaaggtcact	ctagaagcac	tgcctgaaga	ctagcagcct	tggatattcc	catcacaac
19981	aaataagaac	actattcttt	ctgctaattt	tcattcccaa	cacaattact	gacaacctat
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20101	taaagatcac	tgcctagaat	caggagtctg	ataagtaaaa	aataataata	atgctaacaa
20161	taatgtaatc	aataaacggt	aagaacagac	attacttagt	acacatttta	atgttgaatc
20221	tgtaatatata	aagacgtgta	caaattacaa	agcaaaactct	atagtgtctt	attactatat
20281	tgaataatat	gaaaaagatc	tacaatgctt	tttcaccaat	ttttttctac	ctcattagaa
20341	ttctttggga	ttaaaaagac	agttaatcta	tacatttcag	tgcaggtagt	aatttttagat
20401	gaaagtaaat	tttgtgtgtc	agaatatcaa	ggatatatag	caaacaaaca	aaccaccca
20461	ccagccaggc	aaaggggatc	acgcctgtaa	tcttagtacc	tagggaggca	gatacgggag
20521	gatagcttga	gtctaggagt	tggaggctgc	agtgatgtac	gttcatagca	ctgcactcca
20581	gcctgggcaa	cagagtaaga	ccctcgtcgt	aaaaccacaa	caaaccacca	cttattgaat
20641	tctgaacaca	aatcaaataa	ctgccaattt	tttatggtat	atattagata	aggaacatat
20701	aaaatgttac	tttaaaatat	gcataagaat	tttcttaact	tagttttact	aagctaattc
20761	ctaaggacaa	tttaccgaag	ctcaaagaaa	agcagtatta	attttaaaaa	aggagtggta
20821	atttatattg	aaaaataaaa	catgtatatt	tcaggctctt	caatgaatcc	tcctatggaa
20881	aaaaattaac	ctttaagctc	actaatgttc	aataaaattt	tttagtccta	aaaattgtgg
20941	ctatcttaca	tggctgatta	aaattcaatt	taatagttag	ttttatgtaa	gaaggataaa
21001	tgttaaactc	cttaccttgt	aatttcatca	tctccaagta	ctgctttaga	aactggggag
21061	tatctggctg	gagatgctgg	tgtctggccc	aagaagggaag	atgggctaac	atggttatca
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21181	ccaatcagta	ttccatttat	gagtgattaa	tgtgtaattt	atatgcactc	ctttatatata
21241	cagaatttgg	tagagaagat	ttactcatca	gccaaaaaac	tggacattat	gttgcccagg
21301	ttagtctcaa	actcctgtcc	tgaagtgata	ctccacctc	agcctcccaa	agtgttgagg
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21421	ttgtgaataa	taaaaatcag	aggctttcca	ataagtgcga	aaagactatg	tccttatact
21481	agctcagatc	tgtcaaccta	atttacctct	atgcttttaa	attcacccat	agaagaataa
21541	aaacctggta	aaaagcaaaa	acgaaaaaca	agcaaaaact	gtcgtccagg	cgtagtggct
21601	cacgcctgta	accctagcac	tttggggagg	caaggcaggc	ggatcacctg	aggtcaggag
21661	ttcgcgacca	gcctggccaa	catggtgaaa	tcccatctct	accaaaaaaa	tacaaaaatt
21721	agccagactt	ggtggtgtgg	cctgtagtcc	cacttactcg	ggaggctgag	gtgggagaat
21781	tgcttgaacc	tgggaggtgg	aggttgcagt	gagccgagat	cgcacactg	cactccagcc
21841	tacgtagggtg	acagagtgg	atgcccgtct	tcgagaaaaga	aaaaaaaaaa	aaaaaaagca
21901	aaaaccacaa	gttggttcac	ttcaatagta	ataaatacca	catatagggt	ttccattcta
21961	gcaaaagcta	ataacagaaa	atttatagtg	ttcctgacca	tgctttctaa	agacacaggt
22021	aggtaacaca	tggcagctgt	agcttacaaa	gacataagac	acttgaatta	ttccaatcat
22081	taccaaaaaca	cagaggaagc	aatattttaac	tttcttgagg	cttcaactat	gataaagtta
22141	caaagcactt	caaaagtagc	tgtattattt	aattatcaag	cattaatctc	ttttttatta
22201	aattagagca	tatcttctat	ggagggaagc	agcactactac	gcactggagt	acaaaaatgc
22261	aggaattatt	agttcaaatt	actatagtgg	ccagataggt	aacataaagg	aataaagtga
22321	actggatgaa	agacaacagg	aaatagctga	aacgatagta	tttttagagt	gcagtgtatc
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22441	agatgctcgt	ttgtatttga	gccaaaggac	tttctaccaa	tggctcttaa	ctttgaaagt
22501	ccaaagtctt	tcctgggtgg	tcagtaagaa	tatgggattt	tcaagtgaat	tggtatgtag
22561	ccctcaatca	atagataccc	acgtgaacct	ctacaatcac	tagcctgtta	aaaatccaga
22621	gtttactgat	ttttgactct	taaattcttt	tgtctgattt	tcataatttag	atgaaacaaa
22681	aaaaacaact	agacaagaaa	tcagtgcaaa	tgcccaaac	agaaaatata	cattttccct
22741	gacacatcca	gactatccct	ttagtcaatg	catcctttct	ggggcagtta	atctcacatg
22801	taccacatac	tctcagacaa	cagagactaa	aaattaatgt	tcctatgaaa	gaaatgacgg
22861	cctcaaagaa	ggatcagata	aaacagtact	atttcttata	cccaaatct	tatgtaaaaa

## FIGURE 1-G

22921	gggtcccccag	agaagcacaa	gagtgccctaa	ttcattttttc	ttatatatta	agatgaatga
22981	ttcaacacta	taagattttta	tagaaaagca	agtagaagag	cttgaagtga	gaatgggaaa
23041	agactgggtgt	ccaaatcaga	agtagcaagg	ccatgcagct	aaagagaata	taagttaaaa
23101	gcgagaaaaat	atatactgta	aaaaacagga	acatttttaat	gtcggcagag	aaactgtatt
23161	ctctgttaga	ttcaacagac	ttctttttttt	tcctactttt	attcctgagt	atcatatttt
23221	gactacctta	ttttggttat	aaacattgtg	gctctttatc	ttctatagtt	catgtataac
23281	ttctatgata	ttccctattt	cttttactat	tcttgctaaa	aatatttttc	taactagtac
23341	aaaaattggt	ttccaatttt	gacatctgct	cacttgcaag	gctgcctctg	tgagaaacat
23401	cccctccatc	aatgcttgac	aatcaccaca	aaaaaaaaa	aaaaaaaaa	tcaaatgtta
23461	tctagtctct	ttaggtaaca	agagaaaaga	aatctgaaca	ttcttgtgtc	tgctaaggaa
23521	aatgcattca	gaactaaaat	ccttcccaag	aaaactccag	ggccagacag	atagatagct
23581	tcatgtgaaa	attcaacaaa	acatctagag	atgaaataac	attctgaaac	attacaagac
23641	agaaaaattt	caggacacta	tcgttaagtt	catgcttggt	aacacagatg	taaacctaaa
23701	caaaatataa	gcagttcaaa	atcaatgata	tataatatat	attataagga	tgtgggtttt
23761	ttccccccac	aaatgaatgg	tttagcgtaa	gaaaatcaat	gtaattttatc	acgttaacaa
23821	aataaaaagag	aaaaatcatc	tccataaata	attggataaa	attcaatact	tacaggataa
23881	aaactcccca	taaaccagga	ataaagatta	actttcttaa	tacaaaaagg	gtatctacag
23941	aagacctgct	ggtaacacca	tatacaatgg	tgaaatactg	tgtccccag	tttgtgaaca
24001	tgacagtgat	atttattatc	accatttctg	ttcaacactg	aactggaggt	cttaccaatg
24061	catcagacaa	gaaaaaagaa	aatgaacagt	ataaagatag	gaaagaagga	agtaaaattc
24121	attgtttcaca	gatgacatgg	ttatatcgtg	agacgatctg	aaagacctat	aaaacctaac
24181	attaacaaat	ttagcaagat	tgttgactaa	gcaatttaata	tacaaaacag	atatttctta
24241	tatatcagtt	aaaattagaa	acattttacaa	agtagtacat	ttataatagc	atgaaaaaca
24301	tcaaatagcc	aggactaaat	ctaacatata	aaacctctac	tatacaacac	tgacagagaga
24361	atgtaagaag	gacttcaata	aaagaagaga	tattcatatt	aatggactga	ttaagaaact
24421	caatttaatt	cttcctaaac	cgatctgtaa	tgtttttgat	cctaaaatta	aaaaggaaat
24481	tcaaagaccc	aacataatct	tgaacagtaa	caaaattaag	atttacttta	catcaatatt
24541	tattataaaa	ttatgataat	taagagactg	caggtgggtac	aaagacaaat	agttcaatga
24601	aacagaagag	cctagaaata	gggttcatata	tatgtgggtca	cttaaaagaa	aagcaccaat
24661	gcaatttcagt	ggcagaaatg	gtcttttcaat	aaatgatgct	agatcaatta	tatatctgca
24721	tattataaaaa	tctctcatta	cattgcaaaa	ttagatcaaa	atggatcgga	tgctgcaaaa
24781	aaaggcaaaa	taataaaagct	cctacaagtc	ccttatgacc	taaggatagg	aaaaatttca
24841	acagggtcact	aaaagcacta	ccttaataga	aaagactgat	aaggaattaa	aaaaattttat
24901	ccatcaaaaa	gtaccattgt	tttgagggaa	aacataaaact	cagtgaagac	atctgcaaca
24961	gatgtaactg	atttagagtta	tttctcaaat	acataaaact	tccttttaaat	caataataaa
25021	accaatggaa	aaatgtaaaa	agatttgaac	agacattgca	ttgaacaaga	gtcaaagcaa
25081	taagcacagg	caaaaaatgct	gaaaaataatt	aatcatcagg	aacaaccagc	aataaatgaa
25141	taaataataa	tcattaaaaat	catgagataa	ctttatacat	atacatacta	ttcataatta
25201	aaaagatgga	taataccaag	gggttggtgag	gatgtagaaa	aactgggggtc	ttaattgcct
25261	cctatactgt	tgaaattggt	cagcagtatc	cgctggagac	taaacatatg	cctaccctgt
25321	aacacagcaa	cctcactcca	tgagaaatga	ctgcttatgt	ctgacaagga	gtgcaaaaaa
25381	catccacagc	agctacactc	ataaaagatc	agaactgtaa	gtgactcaac	agtaaaatga
25441	aaaaaattgt	tgtacactta	tacaatggaa	taatacatag	cagtttttaa	aagccatgtg
25501	actgatcatt	aagctaaatt	cttaaaattg	gtacccttac	tgaatatatg	ttttaattca
25561	attaaaaaatt	aaataaaagag	gtcaggtgca	gtggctccta	tctgcaatcc	caacactttg
25621	ggggcactga	ggcaggatca	cttgagggtta	ggagcttagg	caacatagtg	agaccccatc
25681	tctacaaaac	aatttttaaaa	attagctggg	catgctatcc	tagacacttg	gRaggctgat
25741	gtgggaggat	ggcctgagcc	caggaattca	aggctacaag	gaactatcat	cgtgtcactc
25801	cactgcagcc	tgagcagctg	agtgcagatcc	tgtctcaggt	aaaagaatct	ttttatagac
25861	tttccccatt	tctttactgg	gtatgttttt	ttatttttct	tacagagtct	tgctttgtcg
25921	cccaggtggt	actacagtgg	cgcgatctca	gtcactgca	aactccgcct	cctgggttca
25981	agcaattctc	ctgccttagc	ctcccagta	gtggggactg	caggcacttg	ccaccatgcc
26041	cgggtaattt	tttgtagttt	tagtagagat	ggggtttcac	tggttaggcc	aggatgggtc
26101	tgatctgctg	acctcatgct	cgcgccgcct	cggcctcaca	aagtgcctgg	attacaggcg
26161	tgagccaccg	tgccctggtct	cttttttaag	agatgggtct	cattatgttg	cccaggctgg
26221	agtgtagaca	ccagacacag	gtgcaataat	agtgcactat	aacccccaaa	ctcctgggtt
26281	caaacaaccc	tcctgcctca	gcctgccaaa	taattgggac	cacaggcacg	caccattgtg
26341	cctggctttt	ttcctttttg	atgtgaagaa	gtcttaacat	ggtaggaaaa	tcagctctcg
26401	gtgatattaa	gcagagaaaa	ggagcaggtg	tagagaggta	tcttaagact	gtaggacgat
26461	ccctcctatt	tccttcagat	aaggagtagt	taaacaatgt	cgtgtgctga	tggtaatgat
26521	ccagtagaca	gaggatttga	ttatgcaaga	gagagaaggg	acagctgcaa	gaacaagatt
26581	ctctgcagac	aacaaacaat	gacattcagt	atacaaatgg	aagacctggg	tttcaacagg
26641	aacaatgaca	gtgactccca	ttaaaacaca	agtgaagatc	gagtttcggg	gtaaaaatat
26701	aattacatag	gtatatctga	aagtggaaaa	ataaggaaat	tctcttctgg	gtgcttatat

## FIGURE 1-H

26761	gaaatatgaa	gtgagatcat	cattcatgaa	tagtagatgg	caagtgaagg	tttgagggga
26821	gagaaaaatt	cttttagagt	ggagagttaa	ttagggaaat	gtagtaggac	tgagggcaag
26881	agtaaggcac	tatctatgat	ttatggccat	acgtaaaaag	caSaattttt	tgcttttctc
26941	catgggttctg	cttttttagga	accataaatg	aaatagcaga	gtttgcctgc	accagtgttg
27001	ggggatttctg	ctgcgaagaa	gaagggggca	aaggacttga	agatgtgcaa	tgaagtgaac
27061	atgagaaacc	atggaatcta	agctaataca	aatagaaaaa	ttgagacaag	gggcaacaaa
27121	ataataatgt	caaagtactg	aaggtcaaaa	tgagatggaa	ttgctagaat	agaggtgaat
27181	gaactgaggg	ttgtagtcac	acaatgggat	gatcaaactg	gtatttttaga	ggtgatgaaa
27241	gttaataaatt	atagataaca	aaatctaaag	tattatctta	gaagcaagta	actgagttga
27301	agtggagggc	aggatagtca	gaaagagatg	aagaaaccaa	aaagtcaggg	tgttgatga
27361	atcattagtgt	tggtttttgg	acatgaccag	gaatgacagc	atgagtaaca	gtggcaaac
27421	gacaatgggc	cttcgcacta	agtccttcag	tgactacagc	cagactgatg	aagagaacac
27481	cagatcacca	cagccaggga	tagagagtaa	gctgaatagc	ctgacagcag	ggtgactgtg
27541	caggcttcag	aagaactgac	aagtaaaact	cacttatgta	aaaaaaattt	aaacacaagt
27601	gctttttcaaa	aaacacaaac	agattgttta	tgaattgcat	atgcagaagt	gtacaacgaa
27661	accacatct	acagttgcct	aagaagggaa	gggactggaa	gcaaaatatt	atgatcaagt
27721	tgaaaactgca	aggtgaatgt	cagctttttc	ataatgcttt	attagttcaa	taacagatgg
27781	gggaaaaagt	aacataatca	gctgggctcg	gtggctcatg	cctataatcc	cagcgctttg
27841	ggaggcogaa	gtgggtggat	catctgaggt	cgagggttcg	agaccagcct	gaccaaacat
27901	ggagaaaccc	cgtctctact	aaaaatacaa	aattagcagg	gcgtggtggc	gcatgcctgt
27961	aatcccagct	actgaggcaa	gagaattggc	tgaatctggg	aggcagaggt	tgtggtgatc
28021	cgagatcacg	ccactgcact	ccagcctggg	caacaagagc	gaaactccat	cttaaaaaaa
28081	aaaaacaaca	taatcataat	cagggcacta	atactcaatt	cgtggaacaa	ctgtcacaat
28141	gtgcacatgg	ttattagata	ggcagcattt	aaaataagat	acttgaattg	atgaataaaa
28201	tggtctatta	tttaaaaaat	acacaaagcc	tttatataaa	gtttatgtgc	tagaggaagt
28261	atatgtaaga	atttcaaata	agtagcaagg	ttcttttctt	tgacacaaaa	gaagtataag
28321	acaccatccc	tgtacatcag	acaggttaaa	tactattaag	gaaataattc	aattatactt
28381	gagcaattaa	taaatcaatg	agcagataat	gaagatacat	tactggaggg	cagtatgtag
28441	atttcaaaat	gtcatgtttt	taactgataa	tgattagtaa	tataatgaat	cttgacagtt
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28561	aaaaaggagc	actcaaaagc	aggtttatacc	cagtagcttt	aagatcttta	ttattttcgg
28621	gttctttcaaa	cattaaactca	agtcaaaagaa	caaatacaga	tttcatTTTT	ccaccaatac
28681	aaacacatta	aaaaatatac	ttaaatctct	tctcagctta	tatatTTTaa	aaactgaata
28741	taaaatggcc	aggtgcgggtg	gctcacgcct	gtaatcccag	cacttttgaga	ggccgaggga
28801	ggtggatcac	ctgaggccag	gagtttgaga	ccagcctggc	caacatggcg	aaaccccgtc
28861	tctacttaaaa	atacaaaaag	tagccagtca	tggtgtcgca	agcctgtaat	ccctgctact
28921	agggggggctg	aggcaggagg	atcgcttgaa	cctgggaggc	ggaggttgca	gtgagcttag
28981	attgcaccac	tgactccag	cctgggcaac	agagcgagat	tctgtctcca	aaaaaaaaaa
29041	aaaaaaaaaa	aaaaaaaaaa	aaaatatata	tatatatata	tatatatata	tatatatata
29101	taaagtaaga	aacctaaaaa	tacgtaagta	ctttaagaac	aatttaatat	actgcaacac
29161	aactgaactg	catacaataa	taagcactag	aacctgaaag	tacaaagata	ataagtatct
29221	ctcctcatgt	acctaagagc	aaagaaaatc	cctttaattt	tagatatatt	gtaaatcagt
29281	gtttctcaaa	gtgcaggcca	tgaactagca	gcaccagaaa	cctcagaatt	acagacatac
29341	ctcagagata	ttacagttcc	ataccacagc	aataaagcga	atattgcaat	aaagcctgtc
29401	attataaatt	ttttggtttc	ccagtgcattg	tacaagttat	gtttacacta	tattaagtaa
29461	ggaatagcat	tatgtctaaa	aatacaatgt	acaggcctta	atttaaaaaa	actttattgc
29521	taaaaaaa	ccgctagcaa	tcattctcagc	cttcagcaag	ttataatgtt	tttgctgggtg
29581	gagcatcttg	ccttaataat	gatagccttg	atactgaggg	tggtagtgtg	tgaaggggtg
29641	ggtgcctgtg	ttaattttctt	aaaataagac	aaaaatgcag	ttggccatat	ccactgactc
29701	gttctttttac	aaaagatttc	cctgaagcat	gtgatgctgg	tttgtagtag	ttttaccac
29761	agtagaactt	ctttcaaaac	tgaagtgaat	tctcttaaac	cctactgctg	ctttatcaac
29821	taagtttatg	taatatccca	aaatcctttg	ttgccgtttc	gataatgttc	acatcatctt
29881	cacctaccag	gattagattc	catctcaaga	aaccactttc	tttgattatc	tataagaagc
29941	aactccttag	ttgttaaagt	tttatcatga	ggttgacagc	attcagtcac	atcttcaggc
30001	tccactttcta	attctagtct	tcttattatt	tctaccaatt	tgcaagtaac	tctgccacta
30061	aagtttttgac	ctgttccaag	tcatccaaga	gggctggaat	caacatcttt	gaaacctctg
30121	ttaatgctga	tattgtgacc	tcctcccatg	aatcatgaat	gtccttaaa	gcatctagac
30181	tggtgaatcc	tttgacaga	gttttcaatt	tactttgccc	agatccatca	gcggaatcac
30241	tacctatgac	agctatagct	ttataaaatg	tatttcttaa	atagtaagac	ttgaaagtca
30301	aaattatttc	ttgatccatg	gactacagag	tggaatgaaa	gttagtaagc	atcaaaacaa
30361	catcagctctc	cctgcacact	gccatcatag	ctcttgggca	gctaggtgca	ttgtctcaga
30421	gcactaatat	tttgaaagga	gtgttttttt	tttggttttt	tctgagcagc	aggtctcaat
30481	agttggctta	aaatattcag	taaaccatgc	tgtcaacaga	tatgctgtca	ttcaggcttt
30541	gttgcttcag	ttatagagca	cagggtttcat	tacagttata	cagaacaggc	agacaggctt

# FIGURE 1-I

30601	agcataatctc	cttggattttt	ctggactggt	aatgggcat	tggcttcaac	tgaaaaatcac
30661	cagctgcatt	agcaactaac	aagaaagtca	gcttgtaactt	tgaagctttg	aagtcaggca
30721	ctgacttatt	ctctctagct	gtgaaagtcc	taaaagggtgt	ctttttccag	tagaaggctg
30781	tttcatctac	attgaaaaat	tgttggttg	tgtagccact	tccattaagt	atcatagcca
30841	gatcttcttg	ataacttgct	gcagctccta	cagcagcact	tgtgtcttta	ccttgcactt
30901	tcatgttata	gagatgactt	ctttccctca	acctcatgaa	ccaacccctg	ctagcctcac
30961	atttctcttc	tacagcttcc	tcacctctct	cagccttttc	agaattgaag	cacagttagg
31021	gtcttggtct	ggattaggct	ttggtttgaa	ggaatcttat	ggttggtttg	atctatctag
31081	accacttcaa	actttgtcca	caacagcaat	cagattgtct	tgctttctta	tcatttagtgt
31141	gttcaactgta	acagtacttt	taattttctt	caagaacttt	tccttggcat	tcacaacttg
31201	gctaactgca	gcaagaggct	tagctttctc	cttttattgc	cattgaacat	gccttctca
31261	ctaagttaaa	tctttttgac	atataatgag	aaatatgcaa	cttttcactt	gagcactcag
31321	aggtcattgt	agatttatta	actggcctaa	tatcaatatt	ggtgtatctt	ggggaatagg
31381	gaggcccgag	gagagcgagg	gagatagggg	aatgactagt	catcagagga	gcagtcagaa
31441	cacacacatt	tatctattaa	gcttgctgtc	ttatatgagt	gtggttgtgg	cactccaaaa
31501	caattaaaa	agtaacatca	aagactagt	atcacatatt	actgtaacag	atataataat
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31621	acatgaagt	agaacatgtt	gctgaagaaa	aaagggtgctg	ataaatttgc	tcaattcagg
31681	attgccataa	accttcaatt	tgtaataaat	gtagtctctg	tgaagtgc	taaagcaaa
31741	cccaataaaa	tgaggatgct	ctgtactttg	cttgtaata	gaatgaacg	cttgttcaag
31801	caaatttctg	tgctcaagt	gaaaaactag	aacaaaacaa	tttcaatatt	tgcgaattgtt
31861	cttttagtgac	tgttactttac	ataaaagt	gaaaatcctt	taaatgtaac	tactactata
31921	aaataataaa	ggtgaaaagg	atccccccct	tctaattata	aaaattttga	cttaaagtag
31981	attttaaaaa	atgagtagat	taacatgctt	aattgtttct	ttaaaaaat	ttgcataatg
32041	tttaaacttt	attatactga	gaacatttca	ctaattggcat	cacaactgaa	gaagtaagat
32101	aaatttaagc	aaacgtatgc	taacagactt	acagttggtg	atatcaggtg	gtgcatagcc
32161	atcattcata	tacatacttg	tgggttttgc	cactttcaca	tacacaaaa	cagatgtggt
32221	ctttaaggca	gttactgctt	cttcatgagt	aacttcttct	aaacatacgt	tattcaccta
32281	aaaaaagtc	caaaagacat	ttatgacata	ttcacttggt	ctctgagttt	tggaaacaat
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32401	aaaaaaccca	tgtttgatgt	ctatgatctc	agtaagttgt	ttatcatgac	atgtgaagtc
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32521	tcttgatttt	ctctcattct	taggcattta	ggaatgtgtg	tggatgcgtt	ttagacattt
32581	ttatctttta	agaaatgaaa	acatactaaa	atttttgttt	ttatgttagg	atttttaatg
32641	taaggtagct	tagagactgt	tccatgttgg	gacacaaatt	aatagaatta	ctacattgta
32701	acaaaacagc	tgacagtag	cccattgtgt	ggctatatca	taatttatta	aagatcatat
32761	ctgttaatat	tcccatattt	agattggaaa	actattagaa	cacaattgag	cacaaatatt
32821	taaattgttc	tcctaaatgg	tttttagtaa	tttatactca	ctaccacaga	atatgagagt
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32941	aaatgatgca	tctttttaatt	tatacatcaa	ttagttttta	atttctactt	tcgtaatact
33001	caagttgatt	ttttttcaat	tattttttgg	ccattcacct	atcttctgta	tagaaatata
33061	actgattttt	aggtagtgat	gtatcctgca	accaatacta	aaactaattt	ttagttctat
33121	tagcagggtc	ctaggatagt	ctatatacaa	tatgatgaca	tcagcaata	tagttttatt
33181	tcttcctttc	tttttttttt	tttttttttt	tttttttgag	acggagtctc	gctctgtcgc
33241	ccaggctgga	gtgcagtggt	gggactctag	ctcactgcaa	gctccgcctc	ccgggttcac
33301	gccattctcc	tgctcagcc	tcccaagtag	ctgggactac	agggcgccgc	cactacgccc
33361	ggctaatttt	ttgtattttt	agtagagacg	gggtttcacc	gttttagccg	ggatggtctc
33421	gatctcctga	cctcgtgatc	cgcccgctc	ggcctcccaa	agtgtggtga	ttacaggcgt
33481	gagccaccgc	gcccggccta	tttcttcctt	tctaactctga	ttttcttttt	cttttctttt
33541	tcttattgcc	ctggatagaa	tctcaactat	aacactgatt	agaagtggta	gtttatgtct
33601	ttctagcaat	ctgtcaattt	catctaagtt	acctcaggt	ttagcacata	gttactcata
33661	atagtctctt	gttttccctc	tttcatgctt	gctttcagaa	atttcagcct	tctctctttt
33721	ttcttggtctg	gtctgaagg	ttgtcatttt	gttgattttt	ttttcaaagg	accaactttc
33781	agttttgtct	gtcttcttac	atcttttcta	ttacctattt	cattaatttc	tgctctaata
33841	tttatttatt	ccacccttct	gtttgtctta	ggtttggtat	gttcttctct	ttgatatact
33901	tttttttttt	gcaaataagt	aaaacattat	caatgtttcc	gttttaaat	accttagtatt
33961	aacaatatta	actttaatat	atttttcact	ttttccta	ttgtaccttt	atagttgact
34021	attgcagttt	ttaatatttt	cacaaaaaaa	tgtaaaggct	acagaataat	aatttccctt
34081	cactgatgat	taacattgct	ttgcagagtc	tcagcagcat	ggtcattttt	atggctccac
34141	attaccatgc	aaagcaagga	ctgcctgcat	tttgaaatac	atattaaata	gctgtggcat
34201	actgctgaaa	tacacattaa	atagctgtgg	catactgctg	aaatacacat	taaatagctg
34261	tggcatactg	ctgaaatata	cattaaatag	ctgtggcata	ctgctgaaat	acacattaaa
34321	tagctgtggc	atactgctga	aatacacatt	aaatagctgt	ggcatactgc	tgaaatacac
34381	attaaatagc	tgtggcatac	tgctgaaata	cacattaaat	agctgtggca	tactgtgtaa

## FIGURE 1-J

34441	atacacatta	aatagctgtg	gtatactgct	gaaatacaca	ttaaatagct	gtggtatact
34501	gctgaaatac	acattaaata	gctgtggtat	actgctgaaa	tacacattaa	atagctgtgg
34561	tatactgctg	aaatacacat	taaatagctg	tggtatactt	ctgaaataca	cattaaatag
34621	ctgtggtata	ctgctgaaat	acatattaaa	tagctgtggt	atactgtttc	tttggtggcc
34681	tacaataagc	catgcatcct	ggtattcaca	cccttgtaaa	aatctctttc	tacactgaat
34741	tttgcttgtc	cacgtaacta	gctttagcca	atgaggtaca	gtagtgtgga	aggaagaga
34801	agattgataa	aaacaatgta	ccagtgcttg	tcttcttttg	aaagcttact	tttggaacct
34861	agccaccatc	ctgtgtgaaa	ctcaccctaa	ccacgcaaag	agaccactgg	ataattaagc
34921	acctggctaa	cagtcccagc	tgagttccca	gctaagagcc	aacttgccca	ccatatgtgt
34981	cagccaacct	aacagtggat	tttggtggcct	agtacagcaa	agacaagttg	ttcctgccaa
35041	gccctatcca	atctgcagaa	ttgtaaacaa	atacatgagt	ggtgtttttt	agccattaat
35101	ctctgtgttt	tctcacatat	cactagatac	ctgacacaag	agctgacaca	atttgcctgag
35161	ggattttaatg	tgaatgtgt	aagatgatga	tcccaaagtt	ttacgccaga	gaaaagttat
35221	ttgaccatct	accagagtcg	tcttctacac	attaagaaac	agtgccttg	ggagtgaata
35281	gtaaaaagga	gaaaaatggac	aaggagttag	ttctggatta	cttcaatggt	tagaggttac
35341	agatatgagg	aggcaccaga	catcagaaa	acagaatgaa	gagtggtac	taagaagaga
35401	aataccaaga	taaagggtga	ctattaggca	aatgaaaaag	tgtagaagg	aggaggtgt
35461	gtcaaactcc	agccagataa	gtcaattaag	atgaggactg	agaattgaat	gattccagt
35521	taattaagag	aacaaaagcc	tcactaaaag	ttgatttaag	agagagactt	gccacaatgg
35581	tatcagcaca	ggttgctgtc	tcctaccacc	aaagccagtt	ctagagaaac	cataaaggaa
35641	aactaggtag	ccaagaaatt	aaaaagtaaa	actgagaaaa	ctagtgaac	agaaggctgt
35701	cttgactgtg	tttggtgtg	agtgtagagt	gatggtgaga	tggtactggt	tatagtttga
35761	ggaaagagt	gtgatcttag	ctgtgaaagg	ataagttaga	gaaacatagt	tcaagttctg
35821	ctctttcctt	ttcgccatca	ttactaaaa	aaagtctcct	tgcaacaata	aacagtacta
35881	aacaggatgt	agaacaaagg	aatcttttat	atattgctga	tgtaaatfff	tacaagcagc
35941	ctggaaaaca	acaggatggt	ttttaaaagg	aatgctacta	gtaggataat	caataatccc
36001	atgacagcca	agtaaaattc	ttgtacatgt	tcaccagaac	acacagcagc	tcttccagg
36061	aaaattatct	ataataccaa	aaaaaaaaaa	aaaaaaaaaa	gacttaaaat	agatttttaa
36121	aaaccagtag	ttgctagtat	atfttttaaaa	accaacttcc	tactatgcc	gatccagttt
36181	atgtgccttt	tcagattctg	ctaggccttg	gctgcttgct	cagtggagag	tcctgactat
36241	tatactactt	tcactctgtc	tcctgccttg	cccagttttc	tgagcctctt	ctggctggga
36301	ctgggcatgg	ctgatgtgtt	ccacacagtg	agggccataa	catgtcacaa	acctgtgttt
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36421	agtataggag	ctggcttccc	tagaaactgc	gcccagggga	gttgggtaac	acaaatccaaa
36481	agcttgggac	aaataacccc	tagggggtag	acaagagaca	ggagaataaa	agggccagca
36541	gataaacctt	tctttctttt	ctctggatgg	ctggatgtaa	ggtttatgat	gcccggtagg
36601	tttttacagt	gtctgcctag	aagactgtta	tacatgacaa	gcaacaagct	acctataaaa
36661	attacagcca	gctcagacac	attctacctt	ctattggctc	tcgttcattc	tctgcttcac
36721	tcctcatftt	tactactctt	agccttcttg	agatcacaca	gccaataaat	accttagcac
36781	tttagctttt	cttcagatct	cgtttcccta	aggaacatgg	actgagacag	ttattgattg
36841	atatggtagt	gctctgtgtc	cccacccaaa	tgctatcctg	aattgtaate	ccctgtgtgt
36901	gggggaggga	ccttgttagga	ggtgattaga	tcacggaggt	ggctcccat	gatgttctct
36961	tgatagttag	tgagtctcat	gagatgtgat	tgttttataa	gcactctggc	tttccactgc
37021	tgacacgtct	ctctcctgct	ggcatgtgaa	gaagggcgtg	tttgctttcc	cccaccctcc
37081	accatgactg	taagtttctt	gagtcgtgtg	agtcaattaa	accgctttcc	tttataaatt
37141	accagctctc	gggtaattct	tcatagcagt	gtgaaaacaa	actaatacac	tgtgaagac
37201	tggaacaaata	aattgcagta	cagacataca	gtggaatagt	atgtagagat	aaaaatgaatg
37261	aacttttagct	ctaagcaatg	atatgggtaa	gtctcagtaa	agcaatattg	agtgaaaaaa
37321	atactggaga	tgaaaagtctc	atacagtgca	atagtgtttt	gaaaaagctt	caaaaacaaat
37381	aataactaaac	aaaattatft	aggcatatgt	atataattaa	actttttttt	tttttgagat
37441	gggctttcac	tctgtcacc	agactgcagt	gcagtgggac	aatcacagct	cactgtaac
37501	tcaacctcct	gggctcaggt	gatcttctca	cctcagcctc	ccaaggagct	gggactatag
37561	gtgtatatca	ccaggtctgg	ttaatttctg	tattttttgt	agagacaggg	ttttgccatg
37621	ctgcccaggc	tggtcttaaa	ctcctgggct	caagcaatct	acctacctca	gcctcccaaa
37681	gtgctaagat	tacagacag	tgtgagccac	cacaccggc	ctgattaaac	aatttttaag
37741	aagcaaaagga	ataagaaaca	caaatgggtt	gatgttctaa	ttcttgggct	gggtaattac
37801	taggtttcat	tatactatta	agtgaagtaa	aataaaaaag	ggtcatgcat	aaacaaatga
37861	tgacattgtt	ttataaacct	aaggattatg	atgaaacact	ctgtgcatac	aagccctcaa
37921	caacaacaaa	ggaataaaaag	gaaaagggag	gaggagctag	cagagaaaaag	agaaatgaca
37981	aataaagaat	taccaagaat	catttttttag	gatttgatac	agcaaggcta	gtatttgcta
38041	atftaaacat	catttagacc	tttttggtat	ggagaaattc	cagtatctat	gataaaaaata
38101	aacagactac	aaaatgattt	aaaagacaat	agatttctta	tacttactgc	taaaagttta
38161	tctccaatct	gaagtttgcc	atccttatgt	gctgcacctc	cttcaattat	tttggttaca
38221	tagatgctat	tatccccagg	aatatgctga	tttccaacac	ctccagcaat	gctaaaccca

## FIGURE 1-K

38281	agacctgttt	ggaaaacagt	tctagattct	catccataaa	tatgaactta	agcccagaaa
38341	gaaatgggtg	aaaactacaa	ggtaattatt	ccctcacact	aatatTTTTT	aaaatagaaa
38401	agaatctatt	tagttatcta	ctagtatatg	ttctgcaatc	aagggacact	tagacataca
38461	gctgctccta	gagttacgaa	tagattccct	ttatcccaca	tgttccttct	tagtatcttt
38521	tcgcaaattg	acttggttatt	ccaaagtgac	attgcgaaat	tatgtttttac	ttttgtttcc
38581	atcataatta	tgcttaccta	cacttttaat	attttcacaa	gaacaaaatt	attgagaaga
38641	aataacaaca	ttgtctgggtg	atgggtgggca	gaaccaacag	gctttaaaaa	tgtgaatacc
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38761	taaatcccat	agcttcaata	tcagataatt	tctcagctct	ccatttccttt	ttcatttggt
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38881	ccatcaatgt	tttaaaaatt	cagcaatcac	atcttaacag	tccttttactg	cagatgtaac
38941	tgctcataat	acataattata	aacactttct	cttttaactt	agcctgtgta	cctgcattta
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39061	acaaatatTTT	cactcttttta	atgctagaag	tcttcaatat	aagaatactt	aatacaataa
39121	gggacatatc	cacttataaa	acaaatagat	attttggttcc	ctacttttta	aaactcttaa
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39241	gctcactgca	gtaaaatgta	taaaagcata	catcaataaa	cgtaagaatt	ttggggccagg
39301	tgcaagtggct	cacacttgta	ataccagcac	tctgcggggc	tgaggtggga	gaactgcttg
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39421	aaaaaaaaatc	agcccagtg	ggtggtgtgt	gcatgcagtc	caagctactt	gggagggtga
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39541	ggactccagc	cagggtgaca	gggcaaaacc	ctgcctcaaa	aaaacaaaca	aaaaaacccc
39601	gcaaaaaaag	gaacttttca	aatgctgcaa	tcttggtaga	aatgtaaata	ttctaaatg
39661	ctacgtaaga	caaaaatcag	tagaaataac	ggagaaatta	aatccactc	aagttctgta
39721	gaatattact	aatactgtac	ttggaatgta	tgtcacagat	aaagttcata	ggtatattta
39781	actcagagat	ttcttaaaga	tttatcttag	tttgacttac	cacatacctt	taggaccttt
39841	aatgagcttt	atttccatta	tttttctgta	cactgggttc	cttcttttta	catcaagcg
39901	tacaatagac	cctgcttctt	tcaacgcttc	aactgctttg	ctatgtgtta	catcacgaac
39961	atctacttca	tttactYgta	atatacagtc	attgaccctg	agaaaacaat	taaatattaa
40021	aaataaaaaat	taaatataat	ttaaatataa	attttccact	ttaccaattt	tttgttactt
40081	ctttttttaag	gtaaaagaaa	ttataaataa	ttctggagta	attccagaaa	acataatga
40141	agaaaagtata	tcaaaaacta	atataaaaca	atacaaacat	ttcccaagg	ccagcaaaag
40201	gaacaaaaga	aatagtgaat	ataatagatt	atataaaaaat	gttaataaat	aattacagct
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40321	atagcaaaaca	tttattttag	actaaccaca	tgccaggcac	tttcttggtg	ttttaaccct
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40441	gcacaaagaa	tgtaaaatac	tttccctaagg	ccaccagat	aataagtga	agagctgtga
40501	ttcaaagata	agaaaactga	ggctcacatc	acgagtttaa	ggtcacagag	atagtgtgaa
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40681	cgtagggtaaa	gaacttataa	tttgccattg	tggtatgttt	tttaaaagtc	tgtttgttcc
40741	ctagtcttag	ctttttccct	agttctggtc	tctttgattg	catgggtattc	caccaggaaa
40801	aaaagatggt	catctcaaat	tgggtagaga	gggtaaacaa	aacataatta	aaatattaaa
40861	actggctcctg	acaagcttct	atatctaaca	gaatcaggaa	gtaaatgtct	acattttacat
40921	gaatgggtcaa	atgattaatt	tttatatcta	tttgatttca	ttaatatacc	acctgtcata
40981	cccagtgaga	attataaagc	ttagaaattc	aaaaactgcg	taaggcatca	acgtccttaa
41041	aataagatgc	tgtttttaac	agactacata	aactcttttag	tcctaaaact	tcagggtatt
41101	tgaacaacaa	acaaggaaat	aggaaaaatg	acataattta	tgaccctcaa	aaaaatcaaag
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41221	catctagtca	ataagaaaaat	atattatttta	aagtttgcat	atagtctttg	tggtgtggga
41281	ttcWacatgg	atgtgtgatc	ctctatcctc	cgtatcttaa	ataagtttat	atacatgttt
41341	cccagccaga	gaggaaatgg	aaaatattct	gtgagtgtac	ttaaataagt	ttatacacat
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41461	aaactcatga	tttctaYaaa	tatgctcaca	aagattttaa	ccatcaacca	aatYgtttat
41521	tcaaaatggt	ataatatcta	agataaaact	ggagtctaaa	tgaaaacagg	aacacaatgc
41581	ttagagcata	attatctcat	tcattgactt	gaatgttgtt	aaagcatcta	cctatcgcta
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41701	tacacaaagt	ggattcagca	tcacaataaa	aagcgcaaaa	cataccgcaa	tcttccatct
41761	tggggcggctg	ctccccctgt	gataattttg	gtaatgaaaa	tacttgagtc	atctccaatg
41821	tgtgggttgt	ccgtacctcc	tgcatgtgctg	aaaccaagcc	ctgaatttcc	ctgaggaatg
41881	aagaaaaaaa	attgagactg	aatatgtatt	atcttttatg	acaggttcct	gtcattaaag
41941	gacgcagaaa	ctgtactaac	ataaggaaca	caacaaataa	aggtatatgg	gtgagtaata
42001	taaagattct	aaattaaatg	gacttgttct	ggaggaaagt	cctttcagag	gcattactgc
42061	tgaacagggtg	aggttcaaga	aaatacacca	aggacttttg	aagtatactc	cacagttctt



# FIGURE 1-L

42121	tcttttaaaag	tatgtgcaac	ttgtcgcttg	attagtcacc	catctgcaga	gggtgctactg
42181	taagtctgtt	tcttttagac	tgcacctcag	ccatgttttg	tagggcacat	ctctcctaag
42241	agacaaatgc	tgaagtgatc	ttcccgctgt	tatttctgag	tagggcaaac	ccatatactg
42301	tttttagcctt	taaaaaagg	gggtggcgatg	gtgcttttct	tctgctaact	tgacatcagc
42361	ttattttttaa	atgaccaa	tgtggctgct	aagtgatagc	tgccatcagt	ccctgacatg
42421	tttaaccaat	ataccgatt	agcaaaaggc	attgtttcac	actgactgaa	agaccaacct
42481	gagaacttaa	cattggtgaa	ttttcttgac	agcaaaagtaa	attttgccaa	agcagctcta
42541	ctttttgctt	gttttatgaa	ctggagaaac	aagatttctg	aatatgttct	tcacagaaag
42601	ggttcRactg	ctacaaaaag	cctttaaaaa	taattgattt	aaccaatggt	attaaaaaat
42661	gtttatttct	tgaagaatgt	tctaactgaa	tttcaggcaa	ctcaagtaag	caaataatatg
42721	tggacctatc	atttaactgt	tMgtattaaa	cagtgtaaac	acccactcta	ccaccatttg
42781	tcttaaaatt	ctatttta	aaaaaaatgt	ttttcaatct	aacttcatga	attacctgaa
42841	tcttaagaac	agtaccagt	gattatggga	ggttaccaaa	ttacttaggt	actcaagttc
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42961	tgggaaaaaga	taaaaaatca	ataatataaa	aagttaggag	acatcacaaa	ctactatatt
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43141	ctcagattta	tttttctcag	attctattcc	aatataaata	aatctaatta	tctaggattt
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43501	cggagttttg	ccatgttggc	caggctggtc	ttgaacttct	ggcctcaagt	gattcacccg
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44521	agattttcaa	ggaatggaaa	aatacaaatg	tgattaatga	gttgacaaca	ttcgtgggat
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44701	ttttttggaa	aatcatcacc	tcttcactct	catttcta	acctttgttc	aggccttggt
44761	caacctctc	tggaatggaa	tactgtcaat	gcagtctgcc	taatcgctta	gattagtatt
44821	ccccactgcc	caaatcactg	ttttaaacag	ctggatcttt	tttgttttgt	ttttttgaga
44881	tggagtctcg	ctctgttgcc	caggctggag	tgcaagtgtg	gcgtgatctt	ggttcactac
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45061	accgtgttag	ccaggatggt	ctcgatcttc	tgacctcgtg	atccaccgcg	ctcggcctcc
45121	caaagtgtctg	ggattacagg	cgtgagccac	cgtgcctggc	aacagctgga	tctttttaaa
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45361	tacatatcct	gcaattttcc	acttcgacat	ctggaatttt	gtgcctcctc	ggtcacaaat
45421	ttcatttaca	tgttttatgt	caaaatcagt	caccattcaa	gatatcttgg	tcacaattta
45481	tctccctcca	atttatttcc	tagtctctcc	tgaaagaagt	taactcctac	agtaaaggcc
45541	actggtgaaa	caagtccctg	gaatcagatg	aacatgggtt	tgaatccttc	ctttaaaatt
45601	tctcgtgata	tgaagctggg	caaaactcta	tctaaatcaa	atgtggactg	tgataaattc
45661	tacttctgaa	gatggctcac	atcttccatt	ccagacattc	ttttgcaata	taactaaatc
45721	accctaccat	caaaaggagt	ctctttcctc	ttcaattaga	tctaggcaag	ccctgtgact
45781	agctttgact	aaaataaatg	tggcacaaat	gatgctgtgt	gatttctgag	actagggtcat
45841	ctgatgcctg	atagtattat	ttgcctttgc	ttggaatata	ttttcttttag	aaccagcag
45901	ctataacatg	agtaaaactc	aaacagccta	cagagagatc	taaccaacag	agaacccaaa

## FIGURE 1-M

45961	cccttgggcca	aaagccccag	ctacactcct	aaccagcagt	cagcaccacc	aactatcagc
46021	cacgtgaata	aggctatttg	gacctcccaa	ccttgtcaag	tgccctaacc	cacaccatgt
46081	aaagcagagc	catccaattc	attatgagaa	aaaatgaact	gttgttcttt	taagccccta
46141	agcttcaggg	tagtttgtaa	tgcaatgata	gataactgca	agagaaataa	caaaacctac
46201	ataagctact	ttgctttctt	aaccatacta	taaaatgtag	cccttaattc	aggtctaata
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46321	ttcttaactc	ttgtgattct	cctagattca	aaccctatta	ctattttggt	ccctcttctt
46381	tctcatctat	agacattttc	ctcttagaga	ttatatgtta	taaaggcatt	tatatagaga
46441	gagttgggat	ttcactctgt	taccaggtct	ggaatgcagt	ggcataatca	tagctcgttg
46501	cagcctcaaa	ctcctggact	caagtgatcc	tectgcctta	gcctcttgag	tagctgagac
46561	tacaggcaca	tgccaccatg	cctggctgtt	tacttttggt	tttcatagag	atggggctta
46621	tggtgaccag	gagctcgctt	gcttgccttc	tctctctctc	tcacacacac	acacacacac
46681	acacacgtaa	aatctcttta	tctcagttta	ggaggagtaa	cttcaagagc	tgtgttgatc
46741	atgtctgtgc	atctagagta	cgggaggctt	acctacttga	caggaagtcc	tttgttacga
46801	gtaaaaatfff	tatttgcagc	aatatccctt	ttcttattct	aaaggttatt	tgcattcatct
46861	tgtttctttac	tcaagacttg	ctaaaagtct	atcagtcttt	atcgaataag	cagttttgac
46921	attattgtag	aatctattac	atttcatggg	attactttct	gtttttaaca	gttcttttagt
46981	cccttgattt	tctaaaaaag	atttttgagt	tgaatgctca	atztatgctt	actctattct
47041	attttttagaa	acctcaaaat	ttaccaattt	tccttggcat	atggattagg	ccaaatccca
47101	caactgctag	ctgcactgag	ctccattttt	gttcatttgt	ttatttctaa	ataatctaaa
47161	atttttattt	cgaaaacatt	tcctaatgag	tgtgcttata	tgccctttt	ggcattaacg
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47281	ttaagtttcc	tcacaaggta	ggtgctcagt	aaatatctct	ggtgcttaat	ttaatgcaa
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47521	aggaggcgga	ggttgcagtg	agctgagatt	gtgctactgt	actccaacct	gggcaacaaa
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47641	aaagaactcg	acccttttta	caatagctaa	aggaaaataa	aatacttaag	aatatactta
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47761	gtgacacaaa	acaaaaacac	atcccaagct	catggacagg	tagaatcaat	actgtgaaaa
47821	tgactatact	gccaaaagca	atctcaaat	tcaatgcaat	tcccacaaa	ataccaccat
47881	cattcttcac	agaactagag	aaaacattcc	taaaattcat	atggaaccaa	aaaagagcct
47941	ccacagacaa	agccaaacta	agcaaaaagg	acaaatctgg	aggcatcaca	ttacctgact
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48061	acacagaatg	aagcagaata	gaaaaccag	aaataaagcc	aaatacttac	agccacctga
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48361	agaaccccaa	aagcaaatcc	aacaaaaaca	aagatatgca	gatgggattt	aatataacta
48421	agaagcttct	gcacaacaaa	ataatcagca	gagttaacag	gcaacctaca	gagtgggaga
48481	aaatcttcac	aatctatact	tctgacaaa	gactaatatc	cagaatctac	aagggaactca
48541	aacaacacaa	tcagcaagaa	aaaaacaatc	tcatccaaaa	gtgggctaag	gacatgaata
48601	gaaaattctc	aaaggaagat	acgcaaatgg	ctgacaagca	tatggaaaa	tgctcaacat
48661	cactatcggy	aaaaatgaaa	tcaaaaaccac	aatgtgatat	taccttacct	ctgcaagaat
48721	ggtcatcata	aaaaaataaa	aaaaaataga	tgttggcgtg	gatgcagtga	aaaggaaacac
48781	ttttacactg	ttgatgggaa	tgtaaaactag	tacaaccact	atggaaaaca	gtacagagag
48841	tccttaaaga	actaaaagga	gatctaccgt	ttgatccagc	aattctacta	ctagggtatct
48901	acacagagga	aaataagtca	ttatatgaaa	aagatacttg	cacatgcatg	tttatagcag
48961	cgcaattcac	aattgcaaaa	atatggaacc	agcccaata	cccatttttc	catgagtggga
49021	taaaaaataat	atggtgtgca	cacacacaca	cacacacaca	cacacacaca	cacacacacc
49081	ggaatactac	tcagccataa	aaaggaatga	aataatggca	tttgacgcaa	cctgaatgga
49141	actggagatt	attattctaa	gtgaagttaac	tcaggaatgg	aaaaccaaac	acagtatggt
49201	ctcactcata	agtgggagct	aagctatgag	gatgcaaagg	catgagaatg	atacattggc
49261	atttggggac	tcgggaaagc	gtgggactgg	gtgggaggtg	aaaagactac	atactgggta
49321	cagtatacac	tgctcagatg	atgggtgcac	caaaatctca	gaaatcacca	ctaacttatt
49381	catgtaacca	aacaacaccc	gctccctaaa	aacttactga	aattaaaaaa	aaaaatccaa
49441	aaacaaaaaa	taaaatcctg	aagtttccca	tcctttaaaa	ttaaaaaaaa	aaaagaaata
49501	aaaggcatcc	agaggtaaac	tatctctatt	tgccagtgac	atgatcttgt	atatagaaaa
49561	ttcaaatctac	ataactacca	gaggttaata	atgagttcag	caaggttgta	ggataaaaaga
49621	taaacaccta	aaagtcaatt	atattcccat	atgctagcaa	taaaaactcc	aaaaataaac
49681	aaaacaattc	catttataac	agcatcgtaa	gaataaaata	ctggctgggc	atgatggctc
49741	accctgaaa	tcccagcact	ttgggaggct	gaggcgggct	ggatgacttg	agctcaggag

## FIGURE 1-N

49801	ttcaagatca	acctaggcaa	catggtaaaa	ccccatctct	accaaaaata	caaaaaaaaa
49861	aaaaaaaaatag	ccagtcacgtg	tggcacgtgt	ccgtgttccc	aactacatgg	gaggctgagg
49921	tgggaggatc	atcttgggtc	tgggaggtgg	agggtgcagt	gagctgagat	tgtgccaatg
49981	cactccagcc	tgggtgacag	agtgaaactg	tctcaagaaa	aaaaaaaaaa	aaaaaaaaaga
50041	gagagaatac	atagaagtga	atttaacaaa	agaactccaa	gacttgtaca	cagaaaacta
50101	aagaacatta	ttgaaaggaa	ttaaagaaat	atacccatat	atttacagtt	aactgatttt
50161	ctatatgggt	gccaagacca	ttcaatgcgg	aaagaatagt	cttttcaaca	aacagtgatg
50221	ctatccacat	acaaaagaat	gaagttggac	ctctacttca	cattatacaa	aaatcaactc
50281	aaaatgaatc	aaagaccaaa	atctaaaagc	aaaaccataa	aactccttaga	agaaaactta
50341	actctaagtc	tttgtgatgt	tggattatgc	aatggcttct	tacatacaat	acaaaaagtt
50401	acaaaagaaa	aaatataaaa	ataatggttt	ttagactcaa	tcattatcac	gaaattgcgg
50461	catttttctaa	agttttatcc	acttaaacct	caacaaaaat	gtagcagtat	atttttaccc
50521	catactgtca	ccagcagaat	gtactgacaa	actttttgct	cttttgataa	cataatgttt
50581	aagatgtatt	aattgtttta	atgtgcattt	atgttattaa	ctcacctttt	tctacttttt
50641	taccttaaca	aattatgttg	agatattcac	atatcataaa	atctaccttt	ttaaagtatg
50701	caattcagta	gtttctagtt	tattcacaga	gttgtgccat	catcattact	ttctaattcc
50761	agaacatcct	tattacccca	taaacaaaac	ctgtacctat	tagcagtcac	tcgccattct
50821	gccctacacc	caccacctgg	caactgctaa	tctactttca	gtaactatgg	atztatctat
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51121	attacgaatt	tctatttcaa	aattttctgt	ttacaaaagg	aaaaaaaaat	gaccaaaagg
51181	ggaccatact	acttaattta	ctatagcaat	tacagctata	gtatatagtg	atagaacatc
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51541	atcctttctc	cagcaccaaa	cagaaaaaat	tatgtataag	cagttaaaac	agatttgctt
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51661	tcaccatagc	cttctcataa	aaccttgtaa	tattctttag	tgtaaccaat	aactcttcct
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51781	catcacccag	gagaaaattc	ttccccacag	tgaactgttt	ttaaacaagg	aaaaaaaaaa
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51961	aattaacagt	gatttattac	agcaagaaaa	ataagcagaa	taacacacac	ctagttaagt
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52201	agaataaaaa	agatgactat	cctttaaaac	aacttttagaa	gatatgctta	cacacattaa
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52321	cacaaaataa	ccattttctt	ccaaatgtac	aggcttttaa	taaaggggaa	tattcaaact
52381	tcaataaaca	cattattttc	agcacagtac	cacagctaaa	tgatatgaca	aaatgcttaa
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52501	taagttaaaa	atgagtagct	aataacttcat	tatatataaa	aataaaaatta	aatataatac
52561	tttatgttta	gtcccacat	taaataatag	tctacctttg	aataattcgg	tgaaagtcca
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52741	ctcaaactgg	tattttacgt	tgctaaaaaa	attaataata	caacttcact	ttattctgct
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52861	tacattttta	aaacactatg	gcaagaaagc	cttttggtcc	ctctgccgat	tttttaccaa
52921	acatgcagtg	gaaaaagttg	gtttttatca	aatcttaatt	tataccataa	ttattatggt
52981	agctgtttat	cagtaccaac	tcatcatcat	tttatagaag	ttaccttttg	attctattca
53041	tttagaaagt	ctcgctaata	ttgaaatata	tataaacgaa	atgatataag	gtgttatatt
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53161	acacgagttg	attgctgcag	ctgggtatgg	gtatacatag	agttcattgt	actattcttt
53221	ctacatttga	atattttctga	aattttgcat	aataaaaaag	aaacaaaaaa	atcactttga
53281	gccaaagtact	cagtttttaa	gaggttaata	gctaaagtag	ttgtgaaata	ctctgggtca
53341	gggttgctat	taagatactg	gcattcagcc	aagtgcagtg	gtcatgcct	gtaatcctag
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53461	caacatgggt	gagcaaaatt	atgtttctta	agccttatta	ccgatgcttg	ggtcaaatata
53521	tttaggggct	ttttagttcc	tccttctgga	atataccttg	ccttttactg	cctctacccc
53581	caatctctaa	gtgaattata	gagcttcact	gttgtccaag	ttggaactat	acacaatggt

## FIGURE 1-O

53641	atataaattt	tagtaacaga	ataagcattt	ctatagcttc	ctatgatttg	caacatattt
53701	tctttttatat	tacttctcta	gagcctcaca	cagtccccct	gggtaaagac	aggtattgct
53761	atctttttcac	agatggagaa	aatgaatttt	aataataact	gtgattttacc	tatactcaaa
53821	tgtcactgag	tggtagaggg	aggtatagag	agacctagaa	ccaggtctga	gattacaggg
53881	tcacttgaac	caaggtgcaa	tgagggtctt	ttcttcatct	gaaataattt	cacgtagact
53941	ctttccaagt	cttttagttg	tagttgtttg	attttccatg	ttacctgttc	tactactcgc
54001	tgtcttggtt	aaggatccca	aagtcttttt	tttttttttt	ttttttgaga	tggagtcttg
54061	ctctgtcacc	cagggtagga	cttttttaaaa	ctcaagttta	ggccgggtgc	ggtggctcac
54121	gcctgtaatc	ccagcactct	gggaggccaa	ggcgggtgga	tcacgaggtc	aggagatcga
54181	gaccatcctg	gccccgtctc	tactaaaaat	acaaaaaaat	tagctgggct	tcgtggcagg
54241	cgctgtagt	cccagctact	tgaggaggct	aggcaggaga	atggtgtgaa	cccaggagggt
54301	ggagcttgca	gtgagccgag	acagcaccac	tgcactccag	cctgggcaac	agagccagac
54361	tctgtctcaa	aaaaaaaaaa	aaaaaaaaaa	aagtcaagtt	tattggctgg	gcacatggct
54421	cacccaaatt	ttaccattct	atttcatcaa	caaaggatct	tgtagtgatt	gctgctgtaa
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56581	ggagttgcat	gagaaatgac	agataaaaaga	gtagaaaaaa	tatttgaata	atagccaaaa
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56761	agggagattt	ttgaaagcaa	caagagaagt	gacttgtcac	atacaacaaa	tcctcaatga
56821	gattatcagc	agacttcaca	tcagacactc	tggagggtcat	atgggcagtg	gtggaaatac
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57181	ctgcttttgg	ttttccacat	gattgaagag	accattacat	tttcaaat	aaaaaaaaaa
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57361	accccatctc	tacaaacaaa	acaaaacagc	aacaacaaca	aaaattaacc	aggtgtggta
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## FIGURE 1-P

57481	agagggttgag	gctgcagtgga	gctgtgatgg	caccactgca	ctccagcctg	ggctacagaa
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57601	ttggtaaata	acgaaaaatca	attattagtt	taaaagctaa	cattataact	ttgatttgta
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57721	tgtttttggg	catacaatat	atgaagatgt	aattctgtga	catcaacaac	tgaaaggggt
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57901	aactaaagaa	tagacacaaa	ggaacacaaga	aagttaaatg	tttactaca	aaaaattaat
57961	caaagaccaa	agaagacagt	aatgcaggaa	atgaggaaca	aaaaagctac	aaggcatata
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60241	aaaaaaaaaa	aaaaaaaaaa	aaagScaga	ggcagtatga	tgctctgctc	tggacatacc
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60421	caaatatcaa	aaaagaccat	gcacaaaaaa	ttagctctta	aagcattttc	aacaataact
60481	taattacatg	atagcttttc	agaactgata	gaaataaagg	tttaaaacat	ctagttttta
60541	agcagagtat	ttactctagg	gtgcaataaa	gcctctggat	ttaataggct	agtatcacag
60601	agattatgtg	tttactctcc	cagtaagaag	aactagtaac	tgtcacctac	tctgtactca
60661	gtttctatgt	ggagaaactg	aggctctcag	aagttgagta	atttccacac	catcacacgt
60721	agaaacaggt	gaagctagga	agtgggtggg	tcgggtagga	ctataaaactc	cacgttcttt
60781	ctgcaatatt	aagcagccat	taaatattac	ctttatctgt	gccactctgt	ataataagca
60841	taattctgat	ttgtagaaga	ctttcataaa	gtacaaacaa	tatgatcaat	gtgaaagtac
60901	tctgaaaagt	ataaaagtgt	tctacaaatc	atgaaagact	atatactttt	taaaaagtgt
60961	tcatctatgt	atctttctaa	tttgccctgac	tctcaaaactc	atttttaaagg	agtcagggtg
61021	gcgttaccct	ccattttta	agatgaaggg	gggtataaaac	tcagagaggg	taactagctt
61081	gagtgccaaa	gacagactag	attctaaatc	ttttcttctg	tttttatttc	taatacatcc
61141	taacgcacat	aaatgtaaag	tagtggatct	tttaagaata	catattcact	taatatgttg
61201	aaattgggtt	atatgttagt	atgtatttta	aattttactt	ggggacggat	attttagctc
61261	attatttttaa	ttttataatg	tacacattgt	acttcaactaa	ttaggaacac	acttattctg

## FIGURE 1-Q

61321	gaaaaatgagg	tgcactcatt	ggctttctcac	ataacacaa	aaaaatggta	aaactatctt
61381	tcatagaactt	ccgtagtgt	tttaaaacct	aaagtgaagc	tatgcagaat	aaataggtct
61441	tttttgtgtg	tatcctcaat	aatatcctc	atttaaaaa	acaaaacaaa	acttgttcct
61501	tagtttgctg	tctcagagaa	atatgagata	acactaaaa	tatgggcggc	taagattatg
61561	tgccagtacc	tgacgtgcat	taagcatcct	ctccatcact	gtaaagcgcc	tcaagttagt
61621	actcctgtct	atcttcagtg	ttacagatga	gtaaatggaa	gtgcgctgtg	gttaagtga
61681	gtgtgcagtt	acacaggtta	agtggtagga	ctggaattcc	aaccccagg	cattctgact
61741	ttaaaacgtg	tatttttata	agactatgca	agatctcaac	aattttcaca	tgacgtggga
61801	tgctaagtta	gggttgcttg	gagtaaataa	atgagagaat	tctgaatagg	aaaagacagg
61861	ctcccaaatg	aataataaag	gactgggtaca	aattctcaaa	ggattccaga	aaactatttt
61921	aacaccaaaa	aattgactga	agtgaagaag	gtaaaataaa	ctttcaattc	tattaaaaaa
61981	aaaaaaaaact	gtactaataa	actctatata	tttggaagaa	tgttacatta	ttatgatgcc
62041	ataataaccc	ttaaactgtt	tgctcagaat	tatattttat	ttataaattc	aatttttttc
62101	ctgcaatata	gagagaatat	ccatttggtat	tcatctattc	attgttggtt	ttatgactta
62161	atttttaatt	attttcataa	tcaaaaatta	tatagtagca	gtattattat	aatgattaca
62221	attcagtcct	attacagtaa	ggctgaagtc	attgtaacac	tgtaatttcc	cctagaatcc
62281	ttggttggtat	ggatgttccc	actgacttca	cttttttaga	gaggggaagg	gcactgagat
62341	gtgaataatc	acagctgata	tatcattttt	tccccaatgg	agcttatttt	gaaactgttt
62401	acacagcaaa	catatgttta	cccagatttt	aggctacaga	tcaataatgg	caaaaaaaaa
62461	tctatgggtt	catttatatta	cactttaaat	gagatcgtga	tctttcacac	caaagatcct
62521	taagattatc	tttaatacca	ctaccattat	tttgactttg	gataactgtt	ggaagggcag
62581	ttaatgtctc	aagccacccc	ttggaagtag	taaagctttg	aaaaactaaa	aatgattaga
62641	ctctctcaca	tttggtcatt	attttttaaac	tgttacacat	aattttttta	aagtaaaatt
62701	ttacaacaga	tttacagaaa	agttgtgaag	atagcacaga	gcattcccat	atactcccag
62761	atatgttggt	tattattttt	acctaataaa	tgtgaagtgt	gttatcta	caaataacat
62821	aagaatgaat	atttccaaag	tataacagga	aacaaagtgt	aacaaagtgt	taataaaaat
62881	gatacattgg	tacaagatca	ggagtacaat	gatttttact	aacttttaga	gaataaagt
62941	ttctaagta	aaaatgttta	aaaactgttt	taagcagatt	tctaagtaca	aaggcatgaa
63001	aacaaatcta	agggtcaata	ttatgaagtt	cattgtgtcc	catttcacag	acaacctaat
63061	aaaatggcaa	atcctgactc	cacttataat	aaatcccaa	tgtttaagtc	cctaaaacta
63121	ctaaactgaag	cccaaagtta	attaccaaat	tacaaaaaac	agctcaaac	gttttaaaaa
63181	agaacacaaa	tgaaacatta	aaagcaaatg	aaatttttat	aaagaaaaaa	gaaactaata
63241	aaaacctgtg	gtatggtggg	taggatgaca	gtattctcag	cagggactgg	caggacaggg
63301	atcacagggg	cagtgggagg	agagggaaga	acagcttctg	ttggctaaaa	atcatcaatg
63361	acaaaaaatc	aggaaaaaca	ccaaaataaa	agggaacac	ataacaaaaa	gctgtgccat
63421	ataataaat	tatagttttc	agaaataact	atgcaacagg	aaaaacatta	atacattaca
63481	ctaataataa	tgagaaaata	ttctctagaa	attgttttag	aaagtataac	ccccataata
63541	attttaaatga	ttctgtaata	aatgaatgc	ctactcttta	gatgcttaaa	tcataataat
63601	aaaagattat	catttacaat	attccttctc	tctctgggag	ataagacact	tgcttcatag
63661	acagactgca	aaatattttt	tctagcactc	agaatacatc	tcactacttt	cctctatgca
63721	ttcagaaaaa	taaaagtta	tttattagcc	caatcaggca	gacaaagaga	gtttacaaat
63781	ccgtgatact	aacttctgtt	atcaagaaca	gtaataactt	gcctcaacat	gcctgtaatt
63841	aattcaacta	acattgattg	tctattacat	gccagacata	tctggcaaaa	atgaaaaaac
63901	aacgtagaga	gaacctgggt	taaattaaac	taaaaagttc	actgttttat	ctggcttggt
63961	attttttaaaa	ggatgaaact	ggaacacagg	aaagtgtttt	agtaataaga	cccatttgct
64021	atataaataa	aatatcttat	atatgtaaga	aaaacactaa	aatcaagcag	atgaggcag
64081	cctgccttaa	caggccttaa	aacagggaaga	acaaattgcc	agactaaaaa	aagggttat
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64201	attaagattt	attaacaatg	tatggagtct	cttcaacaat	ggtgctgaga	caactggata
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64321	tcaaaattga	ttacaacact	aaatatgaga	tttgaaaaca	taaaactcct	acaagagaac
64381	atagggttaa	tctttgtgac	cgtggatttg	gtaatggaac	cttagaaatc	ataaatgatg
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64501	accaagcaag	tgaaaagaca	gcctacacaa	tgggagaagg	tatttgcaaa	tcatacacct
64561	gataaggggt	taatatccag	aacattttaa	gactcttaca	acgcaacaa	acaaagagaa
64621	acaacccaat	taatgaatgt	gtgaagagct	tgaataattt	ctgcaagaa	gtgataaag
64681	tggccaat	gcacacgaaa	agatgctcga	catcattagt	ccttagggta	atacaaataa
64741	aagctataat	gagagattac	ttcaccacta	caagggaagt	gtctaattaa	aacaaaacaa
64801	aaaacaaagt	aacaagtgg	ggcaaggatg	tggaagaa	ggaactctgg	tacaatgctg
64861	gtgggaaatg	taaaaatgg	cagcttctga	ggaaactttt	agtggtttct	taaaaaccaa
64921	ccatagaatc	agcatctgat	ctagcaattg	ggtaggtaaa	tatgcactgg	gtaggcatat
64981	tcccaaaagt	gagagcaagg	acttggacac	ttgtatgcca	atgttcaatg	cagcatcaca
65041	cacaacagtc	aaaaggcgga	aagaaaccac	gtgtctatca	ggagatgaac	ggatacacia
65101	aacgtgataa	tatacacaca	atgggtatga	tttttttttt	ttttttgaga	tgaggtctcg

## FIGURE 1-R

65161	ctctgttgcc	caggctggag	tgcagtgggtg	caatctcagc	tcactgtaac	gtccgcctcc
65221	cggtgtcaag	caattctctg	cctcagcctc	ccaagtagct	gggatgacag	gcacctgcca
65281	ccatgctcag	ctattttttt	tttttttttt	ttttttgtat	tttttagtaga	gacagggttt
65341	taccatcttg	gccaggctgg	tcttgaactc	ctgaccttgt	gatccaccca	ccttggcctt
65401	ccaaagtgtt	gagattacag	gtgtgagcca	ctgcacccag	ccctaggaat	aaaattctta
65461	atcatgctag	aagatggatg	agccttttaa	acattaaagt	aaattagcca	gacacaaaag
65521	gataaatatt	gcatgattcc	acttaaaaga	ctagtaagtt	atacatattt	taccaataaa
65581	aaatattcca	aaaaagcttt	taaaaatgca	tgaaaactgg	tcctctcaca	ctgctgttgg
65641	atatacaaat	tcacacaaac	tttagggaaa	gtaattttgg	agtaaatatc	tagagcttta
65701	aaaatgtcta	aacttgGCC	ggcacagtgg	ttcacacctg	taatctcagc	actttgggag
65761	ccgatgcgg	gtggatcgcg	aggtcaagag	ttcaagacca	gcctggccaa	catggtgaaa
65821	tcccatctct	actaaaaaaa	aaaaatacaa	aaattagccg	ggtgtggtgg	cccatgcgtg
65881	taatcccagc	tacttgggag	gctgagacag	gagaattgct	agagcctgga	aggtggaggt
65941	tgcggtgagc	ctagattgCG	ccattgcact	ccagcctggg	caacagagtG	agactctgtc
66001	tccccctcct	caaaaaaaag	tctaaactct	ttgacttagt	aattctagaa	atctacccta
66061	aggaataaat	tttaaaagcc	tatgttttaa	ggtactccca	taaggtgttc	taaggtttta
66121	agatagtctt	ttgaacactg	cttctatttg	gtaaatcgtg	gaatatttga	aatacccaaa
66181	ggtgtcagaa	ttgttaagta	aaaaatgaaa	actctatgag	attgaggctg	ggcatggtgg
66241	ctcatgcctg	taatcctagc	actttcggag	gacgcggcag	gcagatcacc	tgagtttagg
66301	agttcgagac	cagcctggtc	aacatggcaa	aaccccgctc	ctactaaaaa	aaaaaaaaaa
66361	agaaaaaaaa	tacaaagatt	agcttagtgc	ggtggtgcat	gcctgtagtc	ccagctactc
66421	gggagggtga	gtcaggagaa	ctgcttgaaC	ccagcaggtg	gaagttgcag	tgagcagtga
66481	gatcacgcca	ctgtactcca	gcctgggcaa	cagagcaaga	ctatctcaaa	aaaagaaaga
66541	aagaaagaaa	agaaaattat	atgagattat	catacagaaa	tttaaaatta	tcagtacgaa
66601	cagtttataa	atttatatgg	acattgctta	tgacaaaaca	ttaagtaaaa	aagggaagat
66661	gaacacata	aaaaatggaa	agaaatgtct	gaaaaattaa	tctctggggt	gggcatatga
66721	gtgcctttct	ctatcgctgc	ttctttattc	tgaattatac	ttttccagtt	gttgacaagg
66781	aatacacagt	ggcgttatta	atataaatgc	aaggggaagg	atgggagatc	cattgtgaat
66841	attaacagaa	aaacaattat	tatgatcttt	aagtgtcatt	ctctagaaaa	caactgaaa
66901	atgtatttca	cactctggac	tcctgttacc	tggatttatt	atttccctga	gaaagagatt
66961	tttaaagcat	tggattttgt	gttttctctt	tcttttcaat	gttccagtc	tgggatgatg
67021	aaaagtctcg	aagattgaga	gtgatgatac	ttgcacaaca	ctgtgaatgt	acttaatgcc
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67201	atatatttgt	cctggagaaa	aaaaattctg	aattccacat	tatgagctca	aaattaataa
67261	caatcgtaac	tgatactcac	tgcaatattt	acatggcctt	ctaagaatgt	ttgaaaaccc
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67501	ataaggcttc	tagaggatga	tatggtagag	tatcatcaca	accttgggtc	agatgacctc
67561	ctgaatatga	aagtgcattg	tgtggaagct	cacgcagggt	gaggaagaca	tctgtaggca
67621	gggagtggaa	gggaggcaat	agcctggcaa	aggggtgctg	agcctcagca	tgggtgacgag
67681	ggtgtctaca	tggacaaagc	cgtggcggca	gcctgtgtgt	ggttggaaac	caagtgagac
67741	agatagcatc	tatgaggcag	tagctgcagt	ctggcataag	gttttgtgct	gtcagtggac
67801	taaatgggat	cttctggagc	ctgagcagcg	tgagaagggc	gtccaactag	ggcagcaatg
67861	atgacaggag	attgcttata	tacagggcct	tctggtccaa	taaataaata	catgaaggat
67921	actgacagca	ggtttccttg	cgtcagaaaa	ggcagttata	aatatgaaaa	gatagaaaaat
67981	tagcatgaga	cctatggtgt	tacactaaaa	ttggagggtat	tgggtataaac	agttttcaat
68041	atatatagat	aaatacaaaa	ataaatatag	acataaatgt	gtgtgtatat	atgtgcatag
68101	gtctgctaac	tatgaggacc	tggatgcagc	taacagctca	acagcacgaa	tacacctggc
68161	atccaaatct	tgatttctaa	atactcattc	tgcaatttaa	aacaacacaa	catggccggg
68221	cacggaggct	catgcctgta	atcccaacac	tttgggaggc	ggagggtggc	ggatcatctg
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68341	caaaaaatta	gctggacatg	gtggcgggca	cctgtaatct	cagctacttg	ggaggctgag
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68521	aaaaccaaac	aaaaccaaac	catgggtctt	tgaagaaatg	gctgactcca	gtgctagagc
68581	tcagcaagca	caagatgtgt	gtagacatct	tgctgtacca	gaagataagg	gaagtactca
68641	aagaggatga	caaaggacac	agaagttggc	ttgaagggct	gccactggcc	agactgggaa
68701	caatctgtaa	ctcaatgata	acaattggcat	aacatccact	gaataaaaata	ggaatctggg
68761	agcccatact	gatataaata	aatacatcaa	taaataaatg	aagataagag	cattttctta
68821	caacaaaatg	ctaactaaaa	atgtaatgat	ggaattataa	aatcatcatt	tggcagccat
68881	catagtaata	gagtaattca	ttcaagaaat	attaatgaat	attaaaactt	cctgttgcca
68941	agtgaaacgt	ccattccagt	ggatgaatgg	gatatactca	tacaaaagtg	tctcctttca



## FIGURE 1-S

69001	aagcattaat	gacagtggag	aaatctgcag	acaatatctg	aatcaagtga	tcaaagttaa
69061	caccaccagt	aacgggaaaa	atcaaaatca	tatatcatgt	gataaaatgt	aatgagagta
69121	caatacttcc	aggatatttc	taccaaaggt	atataacttg	aatctaataca	ttaaacaatca
69181	gacaaaccca	aattgagtgga	tacattacaa	agtaactagc	tgcagtcatc	aaaagtgtca
69241	aagtcatgaa	agtctaacgt	tatttttaat	tcaattttat	tctagtttaa	aaacaacttt
69301	actgaggtag	aagtgatata	aaaaactgca	catattttaag	gtatagaatt	tgatgagttt
69361	gcacataggc	atacatctat	gaagccactg	ccataatcaa	agtaacaaac	gtatctatca
69421	cctctaaaag	cttccttggtg	cctctgttgt	tttttgtttt	ggtttgggtc	ttttaaggac
69481	actaaagtgtt	atttttttaag	tgtttgaaaa	tgtcacaaat	gtaatatgtt	ttcttattaa
69541	cagtctccag	ccctaacaat	aggataatag	ctgattaata	atctactttg	atagccaaaa
69601	taagacaaaa	gtacatgctt	atgtcaaatt	tcaaagcaaa	gcacaaaaat	ttctccact
69661	gggcagggtgc	tctccaaaac	cctttatgat	aaaccatgaa	tcctttaatg	ttacatttta
69721	atcccacttg	taaccctctg	tctctgagcc	tcttctagaa	tcaccttctt	tagacgagga
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69841	agggcactga	ccaagttcct	tgaagaacat	aggcccctgc	ctcttcctta	aggccaacac
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69961	ttctggtaac	aaacaattac	agaacaacaa	agtaattcat	ttagttcact	tgaacaaaa
70021	atgcagctct	aaacaaataa	taatcaaagt	aaggctgact	gatgaggaac	agcaaagata
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70321	ttgctccatt	tgtatcactc	aataagatga	gatctaaagt	ttttctggtg	ttgttttaaa
70381	aaaaatcttg	accatgtgac	tagcaacggt	ctcagttggt	tctatccaca	gcaacatcat
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71641	gtttgctaac	gatgacgccc	tccagctcca	cccatgtttc	tgcaaaggac	aagatctcat
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71761	ctaccattga	tgggcattta	ggttgactgc	atgtctttgc	tactgtgaat	agtgtgcaa
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72121	agctcttttt	catgactgtt	ggccactttt	gaacagtgtc	tgtttacgtc	ctttactctc
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72361	tgtttgcttt	tggtgcaatt	gcatgggtgc	ttcatgatga	accctttgcc	tgttcctata
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72481	ttaaagtcttt	aatctatctt	gagtttaatt	ttgtatgcac	acttccatat	ttttagagaa
72541	aatgagatat	atgaattagc	aaatcttttg	gtaccaatat	cttagatggc	aaggaaaagt
72601	atcaactgtc	gtgtcactgt	gggttagtaa	ggactcttat	ttgggtttgt	atggcataat
72661	taatatctct	aatctaagtt	ctttgggtct	ttgtttaaag	atgtattatg	ctgtaatgtg
72721	gcatgtttct	ctgattaaat	gtcaaagaag	ctattttaaa	gtaagagaga	aactaaaaaa
72781	aactgcaagc	cttttgaatg	tttatagaag	gataaaatat	agcacagtag	attttataaaa

# FIGURE 1-T

72841	actctgctta	ggaatcactg	tactcaacgg	gggccagta	ccttcagaaa	aagctgattt
72901	ttatgggtta	aatctgtttt	tttattcaaa	tgctcttgg	tcctgtcact	gcaaacaggt
72961	atctttcaca	taagccggta	tagtaaaaaa	ccaacaatat	gttatttgaa	ccagcttcat
73021	atgacttcca	tgtcataact	atctcacaa	caaacaatta	taaaactaaa	cacattttta
73081	aacaaatcac	taagggtatt	aaaatcatta	aatttaaaac	aaaacaaggt	aaataggaaa
73141	acagatctag	caattaattc	cattacagaa	acatgagtac	aagtgtgtta	gttcacacag
73201	acagatcatc	tagttcatga	atctatctct	acctgtgaga	ctcacaatat	tcagttaagg
73261	tttctcatcc	ctccattatg	aaaagacagt	attctatcag	cattcagatg	acaatcttgt
73321	cctagtaaa	gatgagccaa	acacgaaaca	tttcaaagta	aacagacact	aaaacttcaa
73381	tatatgggta	cataattgac	aaatggggat	aaaattacca	aatgcaataa	tgtgcttttt
73441	tacctgattt	ttatcagaat	gtggctagag	aaataagcaa	aaccacagac	ttcatgacta
73501	ataacctaaa	atgggcccct	aatgcttccc	agtaatcaga	tttgccctgt	attattcacc
73561	ctctacaagt	ctgtaaggat	tcaggctccct	gttatcactc	tctcaagttg	ccttcttcta
73621	tttcccccac	acaaatacac	acatttttcta	ttgtttcttt	cctttatttt	tcctccagaa
73681	taccatatac	actcatacgt	cacatatcaa	catttttggt	aatgatgggtc	cacatgtata
73741	aaattataat	ggagctgaaa	aatttctact	gcctagtgat	gtcatagcca	ttgtaatgct
73801	gcagtataat	gtattacatt	tgtggtgacg	ctggcgtaaa	caaatatacc	tcactggcag
73861	ttgtacagaa	gtataatata	tataattatg	tacgggtatat	aatacttcag	aatgataatt
73921	aacaactatt	ttactgggtt	gtatatattat	tatactatac	tttttatctt	ctgtataatt
73981	atatacaaaa	ataaaataac	accgtattcc	cattaactga	catgtgactg	cattttggat
74041	aattatattt	attatctgtc	ttcttctact	tagagcagat	ttctgttctg	tttcttcta
74101	tatgcccagt	gcctagaaaa	gtgcacacag	gaagtattta	atatatat	gtgaaatgaa
74161	taaaaccatg	cgactgtcaa	aagaaatcaa	cttaatcagc	actctaaaat	gacttgggca
74221	atagattggg	taggtacagt	cttccttccc	ctacccactt	tcatgcaata	tacatagtag
74281	acattgctaa	aaggttattt	ctgtgtttct	gggcagccac	caccaatcag	aaggtgttca
74341	agatgtttta	cagtttgata	actttagaac	agaagtttca	aaatgtaaaa	aattgccaat
74401	ttcatgttgt	tctctatcta	gcaataatga	attgccta	aatgtcccat	ttgaaaataa
74461	acatgtcttg	gtcaagcata	tttgcttaaa	atattttcat	cgcttttcta	ttcaaaactgc
74521	attaggaagt	acaacttctt	actgagggtc	catattttaa	atccatgggtg	cccttcctct
74581	gaggttccac	taatttcagc	ttgggtccct	tggtccctta	caggtagcta	cttctgtaag
74641	ttagtctcga	ttttaccttg	gcatttctcat	tttgcccttc	cagttctcca	atactcatct
74701	aaccaatccc	atgtagtgtg	tttttattgt	tagttgctgt	ggtttctgtt	tccttggtg
74761	caccttatta	aagttaccaa	ccctctagct	aaaacatggt	tgcttctccg	tatctctaga
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75001	aacactttca	tccccattt	ctacagatga	ggagacagac	tccgcatgga	ggtaatttgc
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75181	ttgtctttat	tgttaccact	acatttttact	gcaaagacaa	tatatattac	ctgtaaaaag
75241	aaatacacatac	tgcatcaatc	cttagatcag	gggttagcaa	acatttttgg	aaatgacaaa
75301	aaaagaagcg	ttatggacca	tgcagtaatt	gttgcaacta	tccaacactg	ctattgtagt
75361	tcaaaagtag	tcatacacaa	tacacaaata	ggcatggctg	tgttccaata	aaactttatt
75421	tacaagccag	gcattggtgg	tcattgctgt	aataatccca	acactttggg	aggccgaggc
75481	aggcagatca	catgagggca	gtagtccaag	accagcctgg	ccaacatggc	gaaacccagt
75541	cagtcaggta	tgggtgtgca	catctgta	cccagctact	taggaggctg	gggcataaga
75601	atcacttgaa	cccgggaggt	ggaaattgca	gtgggctgag	atcgcgccac	tgactccag
75661	cctgggagac	acagtgtgac	tctgtctcaa	aaacaaaaca	aaacatttat	ttacaaaaac
75721	aggtggcagg	ctacatttgg	cctacagatt	gtagcttgct	gactcctgct	ttagctgctt
75781	ttaaaaaagg	agaaagaaaa	ggctaataaa	gtcaatgaag	aaaatagaaa	atggcttta
75841	gacacctaag	ttaaacttta	ctaactataa	atggtttaat	tctgttgcaa	ttcttagtct
75901	acaataaaaa	taagccaatt	ctctctcccc	aaaaaccatg	gaagcgacaa	tttaaaaaac
75961	aaggaaacaa	gatatacata	tggaaatttc	aagtttcacc	tacagttctt	taaaatattt
76021	ttaattaaaa	agtctatata	ataaagctgt	gctcttacaa	ctgaaaaaat	tttgcttcta
76081	tactgaatat	agccttccag	tttggaaaaa	aagtgtattaa	aatgatatga	tttttattct
76141	cttttctttg	ttctcccttc	aaaatcctgc	tatggtactt	agtttggtta	agcaatttaa
76201	ttcttaatat	tgatatgcat	cttgtttgtt	ttctttctat	cttacaaaa	actttccaac
76261	tgatttcttt	ccaaatttat	aaccctttga	tacatcagat	catcctacca	agattagtca
76321	gatttatata	cagataaatg	agggtgggat	ctgtttta	ttaaatgcca	gtttattgct
76381	cttgaacgtg	gctgttaaaa	aaaaaataac	aaataattaa	acaccaRgtt	ataatcccca
76441	gttctttttc	tcagaacaac	aaaacaacac	aaattgttaa	gcaatcattt	ggttccactc
76501	tgtcacagct	gtaacttctt	cacatttcaa	agctgtctca	gtcaagaagt	cagagttttg
76561	atttcacaga	tactgaaaat	actgttcaga	aatgctacca		

## FIGURE 2-A

>7:10710001-10808300

1	cagattcaag	ttgccctgaa	tatactccaa	caagcagtag	ttacaagtgg	attttaaaaa
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121	ggtatacatg	tgccatgttg	gtttgctgca	cccatcaact	cgtcattttac	attaggtatt
181	tctcccaaca	ctatcccttc	Yccagcaccc	caccccccta	caggcctcag	tgtgagatgt
241	tccccatcct	gtgtccatgt	gttctccttg	ttcaactccc	acttatgact	gagaacaggt
301	ggtgtttggt	tttctgtcct	tgtgatagtt	tgttgagaat	gatggttcca	acttcatcca
361	tgtccctgca	aaggacatga	actcatcctt	ttttatgact	gcatagtatt	ccacggtgta
421	tatgtgccac	attttcttta	tcagatctat	tattgatgga	catttggtgt	ggctccaagt
481	ctttgtctatt	gtgaatagtg	ctgcaataaa	cacacatgtg	catgtgtcct	tatagaatga
541	tttataatcc	tttgggtata	taccagtaa	tgggattgct	gtgtcaaatg	gtatttctag
601	ttctagatcc	ttgaagaatc	gccacactgt	cttcacacat	ggttgaacta	gtttacagtc
661	tcaccaacag	tataaaagcg	ttcctatttc	tccacatcct	ctccagcatc	tgttgtttcc
721	tgactttttt	aatgattgcc	attgtaactg	gcatgagggt	gtatctcctt	gtgggtttga
781	ttttcatttc	tctgatgacc	agtgatgatg	agcatttttt	catgtgtctg	ttggctgcat
841	aaatgtcttc	tttgagaag	tgtctgttca	tatccttttg	ccactttttg	atgggttttt
901	tttttcttgt	aaatttaagt	tctttgtaga	ttctggatat	ttgccatttg	tcagatggaa
961	agattgaaaa	attttctccc	attttgtaga	ttgcctgttc	actctgatga	tagtttcttt
1021	ttctgtgcag	aagtctctta	gtttaattat	atcccatttg	tcaatttttg	cttttggtgc
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1141	gcccattgtt	tcttctaagg	tttttatggt	tttaggtggt	acattttaagt	ctttaatcca
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1321	ttgtcagggt	tgtcaaaagt	cagatggttg	tagatgtatg	gtgttatttc	tgaggcttct
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1501	attgtcttgg	ctatgcgggc	tgtttttggt	gccatatgaa	atttaaagta	gctttttcca
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1621	tgggcagtat	ggccattttc	acaatatgta	ttcttcctat	ccatgagcat	ggaatgttct
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1741	ggtccttcac	atcccttgta	agttgcattc	ctaggatatt	tattctcttt	gtagattttg
1801	tgaacgggag	ttcacttgtg	atttggatct	ctgtttttct	gttcttggtg	tataggaatg
1861	cttgtcattt	ttgcaccttg	attttgtatc	ctgagacttt	gctgaagttg	ctgtcagca
1921	aacttcagcc	caaaaggaga	ttttgggctg	agatgatggg	gttttctaaa	tatacaatca
1981	tgtcatctgc	aaacaggggc	aatttgactt	cctcttttcc	taattgaata	ccttttatgt
2041	ctttctcttg	cctgattgcc	ctggccagaa	ctttcaatac	tatgttgaat	aggagaggtg
2101	agagagggca	tccttgtgtt	gtgcagcttt	tcaaagggaa	tgttccagt	ttttgcctat
2161	tcagtatgat	attgggtgtg	agtttgtcat	aaatggcttt	tattattttg	agatatgttc
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2281	tttctgcate	tattgagata	atcatgtggt	ttttgccatt	ggttctgttt	atgtgatgga
2341	ttattctttat	tgatttgtgt	atgttgaaac	agccttgcat	cccagggatg	aagccaactt
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2461	ggattttttg	atcaatgttc	attggggata	ttggcctgca	attctttttg	ttgtatctct
2521	gccaggcttt	ggtatcagga	tgatgctggc	ctcataaaat	gagttaggga	ggattccctc
2581	tttttctatt	gattggaata	gtttcagaag	gaatggtacc	agctcctctt	tgtacctctg
2641	gtagaatttg	gctgtgaatc	tgtctggtcc	tggacttttt	tttggttggt	agcttattaa
2701	ttattgtgtc	aatttcagaa	cctgttattg	gtctattcag	agattcaact	tcttctcgtt
2761	ttagtcttgg	gaggggtatg	tttccaggaa	tgtatccatt	tcttctagat	tttctagttt
2821	atttgcacag	aggtgtttat	agtattctct	gatggtagtt	tatatttctg	tgggatcagc
2881	ggtgatatcc	cctttataat	tttttattgc	atctatttga	ttcttccctc	ttttcttctt
2941	tattaatcct	gctagcagtc	tatctatttt	gttgatcttt	taaaaaaaca	gtcctcggat
3001	tcattgattt	ttttcttgaa	gagttttttg	tgtctctatc	ttcttcagtt	ctgctctgat
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3121	ttttaattgt	gatgttaggg	tgtcgatatt	agatcttttc	tgttttctct	tgtgggcatt
3181	tagggttaca	aatttccctc	tacacactgc	tttaaagtgt	tccagagatg	tctggtacat
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3361	tcttaatcct	gagttctaat	ttgattgcag	tgtggtctga	gagacagttt	gttgtgattt
3421	ctattctttt	acatttgctg	aggagtgttt	tacttgcaat	tatgtggtca	atttagaata
3481	agtgcaatgt	ggtgctgaga	agaattgata	ttctgttgat	ttgggggtgg	gagttctgta
3541	gatgtgtttt	aggtttgctt	ggtgcagagc	tgagtccaa	tctgggttat	ccttggtta
3601	tttctgtctc	cttgatctgt	ttaatattga	cagtgcggtg	ttaaagtctt	gcattattat
3661	tgtgtaggac	tctaagtctc	tttgtaggtc	tctaaggact	tgttttatga	atctgggtgc

## FIGURE 2-B

3721	tcctgtattg	tgtgcatata	tatttaggac	agttagctct	tcttggtgaa	ttgatccctt
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3841	atgagagaca	aggattgcaa	cccctgcttt	ttttttctt	tccatttgct	tggtagatct
3901	tcctccatcc	ctttattttg	agcctatgtg	tgtctttgca	aatgagatgg	gtctcctgaa
3961	tacagcacac	tgataggtct	tgactcttta	tccaattttc	cagtctgtgt	tttttaattg
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4081	tatgatgcta	gctggttatt	tcacctgtta	gttgatgcag	ttcttcata	ctgtcgatgg
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4201	tgcttctctc	aggagctctg	gtaatgcagg	cctgggtggg	acaaaatctc	tcagcatttg
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4381	ggctttagt	gtttctgttg	tttctgttg	tcttggtctg	atgggcttcc	ctttgtgggt
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4621	aattctgaag	agtgttttct	aacttggttc	cattctcccc	atcactctca	aatacaccaa
4681	tcaaacatag	atttggctct	ttcacatagt	tcttgaggc	tttgttcatt	tcctttcact
4741	cttttttctc	taatcttgtc	ttctctattt	taaccatttg	atctacaatc	gctgatatcc
4801	ttccttctgc	ttgatcgaat	tggttattga	agcttgtgta	tgcttcacgc	agttcttggt
4861	ctgtgggtttt	cagctccatt	aggctattta	agctcttctc	tacactgggt	attctagtta
4921	gccattcatc	taaccttttt	tctaggtttc	taccttcttt	gcgatgggtt	agaacatgct
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6061	caccactgt	ccaaccaggt	ccagtgggat	gaaccaggta	cctcagttgg	aatgcagaa
6121	atcacccatc	ttctgcatcg	atcttgcagg	gagctgtaga	ccggagctgt	ttctattggg
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6241	ggagacccaa	aatacctagc	tccatcctc	aggcaggtag	tcctgaaatg	tgtctgagtc
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6481	cttgaagggt	ggtcctcact	ggggacctac	cctttcccgc	gtaggaaact	gtctgcctcc
6541	caccaccatc	aaaaccttga	aagcccatct	aattgggtgga	atctaaatca	tatctataat
6601	cctagtttta	agttagtctg	agaaacgtag	tttttattct	aacatgatct	gtaatacaga
6661	ggaagaggtg	agaatgaaag	tcacctgtta	gtggacaata	tctagcccaa	ttttatgctt
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6781	aataaaaacca	ctaccaccaa	acataaggta	actcttccta	atatagatga	aaacactgtc
6841	tccttcaggg	tcagaatttg	tccttgcccc	ttcgaacata	ctgggatctg	attccattta
6901	tagggatgca	gtgagagaga	tgggcatgag	gagaatcagc	atccctttgc	aaagtaatga
6961	actcagttga	gtccattcat	tacagtgtct	tcaacaaggc	aggtagcttc	accaagaaaag
7021	aagggtctaa	ttctactaag	aaaatgatgc	tctgagattt	tgaggcttgg	ttttcaattc
7081	tcaagggtacc	attctatccc	ataaatatc	ctaaattctt	acaaagttgc	ctaaaacctg
7141	caacttgtgt	attcagattt	atcaattgtt	aatgatatca	gtcctatgat	gacatgggat
7201	gaaattaatt	tagagtagta	gttttcattg	gagggctgag	tgatgggtgg	gccactgttg
7261	ttggtagtga	tttggctccc	cagtggatat	ttggcaatgt	atgtccattt	tgagttgtca
7321	caattttgggt	tagggagagc	tgttagtggc	atctagtggg	tagagtcag	aggtactgag
7381	atatcctaca	atgcatagga	cagccttctt	cagccttttg	ccacagggcc	aaagaattat
7441	ctggcccatc	aataaggaca	aagataagaa	atcacagaag	ctctctgtgt	gttggaaaca
7501	gttttgagtc	aagcagttaa	cgtcagctgg	atgtagtcac	tcacacctgt	acccccagca

## FIGURE 2-C

7561	ctttgagagg	ctgaggcagg	aggatcagtt	gagctcagga	gttcaagccc	agccttggca
7621	acgtagcgag	gtcccatgtc	acattttagaa	atTTTTTTaa	aaagttaaaa	ccctgggctt
7681	gtcatcattg	ttctctaatt	tttcaaaggc	tgtcagaact	gccacctcag	ccccccag
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7801	ttgtgttcaa	caggcacctt	atTTtcagttg	atgacatatg	ataatTTtaag	taaatgtatt
7861	accactgcat	gtccttgact	accaatatct	tatTTTccac	tggtaatcaa	gatatcattg
7921	cctTTaaatc	caaaactgggt	caaataataa	atatcaaatt	cccagtgttg	aagtTTttatt
7981	tctTTatTTT	ttgaacatct	ttatatacca	actattgtat	cagacaaaaat	tagtatagca
8041	aatagaaaac	actacatata	tttcatgtag	aaaaatattt	tggtatgtat	aaaatcattt
8101	aaaagactga	aggagtgaag	gtcagagatt	caaggaaaatt	ttcagTTtca	agatcatata
8161	actgtagcta	tgatctggag	gtcagaaaaa	tagtgcagct	gttgctgcta	accctctcca
8221	caactgtctcc	tccatcttgc	ccttatacct	ttgaattaaag	ctagtgaata	tggaattctat
8281	tcttatagat	gattgagctt	ctTTTctgct	gttacagcta	cacgaacatg	gcctctgcct
8341	cccttacatt	ttctacatat	caagatgccc	atgggatacc	taatacatct	gagttaagta
8401	attgTTTaaa	gtTTTtaaaa	atTTtggttTc	tccaatgTTg	ttagTTTttat	TTaaatattt
8461	aatgattcct	ggttgtctat	atatatttTg	gttcatagta	tataatacgt	agtgttgatg
8521	gccagaattg	atgtactTTg	tccaaaataag	aagccctRtt	cacctggcag	agaataaatg
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8641	aagTtggtgg	tatagggagg	ttacatgtga	gtaggctctt	ctttatgatt	tatgagtagt
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9121	cctccatagc	cctcaaaaagt	ctgctgTtga	cattactctc	aggTTtatag	caatgctatg
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9241	ggtagtgagg	taattcacia	gttcaattag	TTTaattagt	tgtgaaccag	cactattatc
9301	cttagattta	cagcaaaacta	atTTTacttt	cttggttTct	Taaaaaatta	atcaggatct
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9421	TTTccctaRg	cacttcatct	ctttaccccc	tacatctTgg	atTTggTTac	atTTgTTtag
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9541	ctcagtgttg	acaattattc	acaattaatt	ctaacttatt	ttctTTTTct	cttacatcat
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9721	atatttatttc	gagattctgg	gtgatctatc	agaggctcaa	tgttgccctt	TTTTagggta
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10981	gggcatcttt	gaaaaactat	agataacata	agactaagtg	gaagactgaa	agttttcttc
11041	ctaagtcag	aaacaagaca	aagaagtctt	tccctcacca	catttattca	acaatgttct
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11161	gggaaaggtt	caagcccctt	catttTaatat	catttctggt	aagttgcacg	tactgTTtct
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11281	tatattatgt	ctttattctt	tgaaaaactta	tgcccagtta	aaatttggag	cttccatttt
11341	tgaagaaaaa	ggagataatg	ggtattggga	aacaaccagc	agttctttcc	atgtttattg

## FIGURE 2-D

11401	aatgcaggctc	aaaaaaaggga	attaggtaat	ttttttcttt	tctttttacc	ctacttttct
11461	tcttcctttt	tccctccctc	tcttccttcc	ctccttttct	ccttccttcc	ttctcttact
11521	ttcttttcaat	acatgaattg	caaaagatta	ataacStaaa	tgcaatattg	tcttctggat
11581	tggatcttgg	aacagaaaaa	aggacattag	taggaaaatt	agtgaatat	aaataaagt
11641	tttagtcaac	aaaactgtac	tcatgttagt	ttcttagttt	tgataaatgt	attatgggta
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11761	ttgcactttt	tggtaaatct	gaaattactt	caaaattaaa	agttaaaaaa	aaatgattgc
11821	tgatatccaa	tggccacagg	tttggaaaac	tagaaagaat	tcttatccac	tcttggtggt
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12841	aagaactaaa	ttgaaaggaa	acccctaact	ttccatgcct	aagtaacaaa	aggaccagag
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13141	agcatgacct	ttgtaacttc	acttcagcct	ctggttggct	gctttctgca	accaatcaga
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15121	gggaaggact	ttttccaaag	atgcaaaagg	atttctctgt	tttacacctt	aaaaatatatt
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## FIGURE 2-E

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15541	cctttgtatt	ttctgttcag	tgtaccttat	gtatatatac	agtttcaatt	gaaggaatct
15601	gagaaacaaa	aattatgttt	aatttaaatg	ttttatggga	aaaatactga	taaacatgaa
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16261	tgctgatatt	tggtatttcc	aaagaaggga	aggggaaggg	aaaggaggta	aaatttaaat
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17701	ataaacacca	gaagaacat	atgtagaaat	gttaggttga	actatatgga	attaccaggt
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17821	gttgatatatt	gagacttggg	catagggttg	ggtgtatgat	aggagactta	tttacatttg
17881	gttatctgct	acattaattg	aatgttttaa	agaatgttta	catcttttta	aagatgcaga
17941	catgtattaS	ttctattaac	cagacagatt	agccatgctc	tctaccctta	tccccacca
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18241	ataacatgta	agtaaaataa	aaattagaat	aattaaataa	aatagttgat	acaaaggatg
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18541	tggtgtgata	tacgagttaa	Yggtttctca	accttggcRc	tattggcatt	ttgtgttgga
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18721	cttccactgt	tgtggcaact	attgtttcca	gacattgcca	gttgtcctct	gggggaaaaa
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18961	tctatttgtgt	atattttatag	tactaacact	gttgtaccag	atcaatgaac	agaatttagat
19021	tgatgaaatt	gatgaacaaa	tttatattgc	atatattgta	tattagcata	aaactaaatt



# FIGURE 2-F

19081	aaatcatatt	gatttttgta	tggggagaac	attggatata	atgggtattga	tggttgatat
19141	taattaaatt	aattttttatt	ttattatttg	atattgtaaa	gggatttcttg	aaggttggtg
19201	ttttaaattc	taatttttaa	atatttttta	ttttttgtc	tgccattac	cactcagagg
19261	agtttttaaa	aattctgtaa	tggtaaaaaa	tttcttaact	gtctgttagt	tgaaatagct
19321	gttgcttgga	gagattctga	tatattgtat	gtttgagaaa	ggttatcttt	tatttaacca
19381	aatgggaagt	aggatttcaa	ttttaaaagt	atattttttt	caaacgtaag	aaaggtttat
19441	tgtagacttg	aaattaactc	tttctgccta	agataatttc	tccagtatat	ttcttttttt
19501	cttttctctt	ctctctcttt	tttttttttt	tttggaacat	agcacagagt	cattctttga
19561	tgactaggaa	attttgtctt	tgcagcctat	ggaaaaaata	gccaagggcc	ttgatttttc
19621	tcattgtcat	tattacccag	ctatggttgt	aaataaatat	ggtttatctc	cattcctcca
19681	gtgcatatgt	acaaaaaaga	aatagtgtact	aattagatga	agaagttatt	tttcagatat
19741	cagagaaaga	taagatttga	tgtattgtctg	atccctatag	aaagataaaa	tttgatatat
19801	tgctgatccc	tgtagtggga	gtctgactaa	tgtactatat	ttggagaatg	aggggttggg
19861	taagctatta	ggagtgggtt	ttgtggaaaa	atgtccattc	ttctaataat	agttaacaaa
19921	cataaaacat	taaaaatttt	ttaaaaaatt	gctttctatt	caggcatggt	tataaatcaa
19981	aaacagaatc	aaggagtctc	aattttacctc	tcatttgaaa	aaataattaa	ttaattggca
20041	ttggcaacta	ccaaaacaaa	atcacaaaaa	tctctgacat	tttgtaaaat	ttaccaagta
20101	atagcaaagt	tggattgggtc	tcaattttga	tcagctaccc	acacttctgc	cccagttaat
20161	cttacttttg	cgtctatcgt	gaagttttga	ttgataaaaa	gccttctaga	aggttgatcc
20221	agaagaaaag	taccttttct	ttcatcttca	tctcctagct	ctcttaatta	tggcattgct
20281	tcccttctag	agcctaaggt	gttttcagttt	tcttttagtca	gtgtgcataa	aaaatctttc
20341	tgtgtcttag	aagtgttgag	tcaactctgg	ttattatttta	ttaaatcata	attttaaaat
20401	gtcaagagat	tactattatt	gttatttttta	ccagatgtga	tttttcttgg	taggttgggt
20461	ttaattgctg	tgagtgggtt	acaaaatcat	aattttctta	atgctttaga	gactgaaaag
20521	aagtcaactg	tttgtgagta	atattgggtc	cacactcttg	aaatccaaga	agcttaaaaa
20581	tccaagtgtt	ttgtaaggtt	cacacaaact	tacttgatgg	caaagcctaa	cggaactggt
20641	aggagtttat	ttgtagtatt	tatttctcat	actctgtaaa	taggattttat	actttctccc
20701	gcagaaataa	tgtttgatta	taggataata	ccatggactt	cactgggggt	attagtgtaa
20761	tatatggtgc	atgttccatg	ttacccttga	aaatctgaga	aattatgaat	tctgaaacac
20821	atctggttct	taaagtttca	gatagggaa	tgctgacccg	tatgatattg	ctcttgatc
20881	ctatgcaagg	ttgttttaga	taagagtgtt	tttttcagaa	cagtcccaag	taagctatgg
20941	atacctacat	gacagttgtg	agattgtata	tgatttcata	gggtcagtc	gtatctgtta
21001	aatgttagtg	tttatttttt	atgcaatttt	gcttgacagga	tgtttttgtt	agcagtcatt
21061	tgtatgtgac	ttgtgggggt	cactagatac	cagatactaa	ttacagacag	cttcttcaa
21121	tttttagtgct	tagttaatta	cagaggttaa	gcctagtgtga	gttaatagaa	attaaaatga
21181	tgtggaaaca	ctttactttt	tccaccattt	tatcattacc	tttttcttgg	ctatagggtc
21241	aaaaaaattc	atcatcctgt	ggcattttact	ggctaagact	taactgggtt	cttccccatc
21301	tcctactgct	ccctgtcctc	tttccctcct	cccatttatt	tctcgcttca	aagatttttag
21361	attgttattt	acttaattgg	gtacaaaaag	aatgattact	gagtacttac	tgagtaatga
21421	ttactgagtt	actaagtagt	gttgggttga	gagggactgg	gctgccctag	gcaggagtgg
21481	aagaaacctg	ctagaaaagt	tacagtcctg	tgagctcttt	aatgtcttca	gcctaacttt
21541	ttagtaacct	ctgtgactgc	tcattttcag	gatggactgc	tttatttcac	aatttcttcc
21601	attctagagc	atatagtagt	tactgcgtag	aagttttgaa	agtgtagtga	ctcttctttt
21661	attgatacga	acagtatcct	aataaacagg	aagattgata	atttctcttg	caacttctct
21721	tttctgtgcc	attgtgtgtg	tctcttttca	cctgtgttct	tgggtattcct	aaaatttgtt
21781	tggatatatta	gagttgtagt	ataagttgac	tatcataaat	atctatgctt	attttactgg
21841	gtaaagagta	aaataaatga	agcagtttta	tgggttagat	ttatcttgtt	ttgggttttga
21901	ctcaataactt	acaagtccat	atagttttata	aaagatgttt	aaggaggagg	gaattttgtc
21961	tgtattatca	gtaaaattaa	aatcaagtgc	ccaatcttaa	aagaagcaca	ttacttttaa
22021	aaaataattg	ccttttcagt	accaaataat	gccatatgac	acaaattagt	gcttctcttt
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22141	aaaaccattg	tatcaacttc	attgattttat	tatttgatca	ggttgggaat	gtctaccatt
22201	ctttgactta	aatttgttta	tattgttttg	caagttattc	acaaattttg	gtggtttcat
22261	ttgtgtcagc	gttgtgtgtg	tgtgtgtgta	tgtatataca	tatgtgtggg	tttttttttc
22321	tcatattttc	aacagattct	gaagggagtg	gtaatggaag	tgaagatgct	tcaaaggaca
22381	gtggagaagg	ttcctgtagt	gattctgaag	aaaatatatt	agaagaagaa	ctgaatgaag
22441	atattaaagt	aaaagaagaa	caacttaaaa	attctgcaga	ggaagaagta	ctatcatcag
22501	aaaaacaatt	aattaaaatg	gaaaagaagg	aagaagaaga	aaatggagaa	agacctagaa
22561	agaaaaRgga	gaaagagaag	gaaaaagaaa	aggaaaagga	gaaagagaag	gaaagagaga
22621	aggaaaaaga	aaaagcaaca	gtatctgaga	atgtggctgc	ttctgtctgt	gccaccacac
22681	cagccacaag	tcctcctgct	gttaaacacat	ccccttctgt	tcccactacg	acaaccgcta
22741	cagaggaaca	agtcagcgag	ccaaaaaat	ggaaccttcg	acgaaaccga	ccacttctgg
22801	attttgtgtc	catggaagag	ctgaatgaca	tggatgacta	tgacagtgag	gatgacaatg
22861	attggcgacc	tactgtagta	aagagaaaa	ggagatctgc	gtctcagaaa	gaggggaagt

## FIGURE 2-G

22921	atggagacaa	tgaggatgat	gaagatgagg	gaagcgggag	tgatgaagac	gagaatgatg
22981	aaggcaatga	tgaagatcat	agtagccctg	ccagtgaagg	gggttgcaag	aagaagaaga
23041	gtaaagttct	tagcagaaac	agtgtctgat	atgaggaact	gaccaatgat	agcctgaccc
23101	tatctcaaag	caagagtaat	gaggtagatc	aacccaattt	ttatatctgt	ctgtctgggg
23161	aaaaggggaat	tcttctctaa	atcactctac	acattgtatt	aagtggcttc	cttgaaatcc
23221	tatttataga	cggctgtggg	atgaatgagc	accctaactg	taacattttt	tcatttggcc
23281	aacagacttt	tattaaatat	ctactatttg	tcaccgttct	caaggagctc	acaatctctg
23341	tcctcaagga	gaaatattta	gagaaatatt	tttatatcca	tagacttggg	aatgacaaa
23401	gttttccatt	ctccttttta	tccctttact	cctttgttca	caggactgct	gaatggtgct
23461	gagtgcatta	tgaaaacaaa	ggtcaccttt	ccttcaactt	agttgtgtcc	atatccatat
23521	taaaatatag	gccttttagaa	taccttagag	cagggcaaca	gtctaataat	tttctgaaac
23581	ctttagagat	tcgtttttaa	tattaattcc	tttaccagtt	gtagcactca	tcactctttt
23641	agtcacacaa	tccttgcttt	atgtgtatgg	gacatacaca	taagtatgaa	ctattttttac
23701	atataatttag	taaataaatt	ctctctacaa	agaaatggaa	taaaaaccca	aacattttcca
23761	tcataaaaaca	gacatttttg	tcacaaaact	gcagtaatgg	ctcagtgcct	ctacttgaag
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23881	cagtcaaaca	catttgtgtc	tctttgtctg	tgtgtttttg	tatatgtttt	tcttcaaaag
23941	aaagattgag	ttgttgtctt	acatgtatag	gtatctgtta	catcacatgt	agaactgtaa
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24061	cttattttttt	tccatatcac	tgaagtaagt	taaacgggta	gaaagatttt	tcctcttatg
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24301	ctgaaaccaa	tattttatat	gaaaaaatat	tgctgcctt	caatgtcatt	ctaattctta
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24541	tttacttttg	accacatcac	tttcttcatt	tttattaggt	tgatattctt	agaagtagtc
24601	tagctaataga	tagaggcagt	gtcgattaga	tttatgctaa	aatgtggggg	acacctgcat
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24721	taaatactgc	ctaagagggt	gtagactaac	atttatgatg	catttaaagt	ccatgtgttg
24781	gtgttttagt	tttttttccc	cactagaaga	cacttttagta	aataaaggga	ccttttatgt
24841	ttaggttaat	agtcccaaac	acaaacacat	tccaggaatg	agattccaaa	gtgcttcttc
24901	gaaaagtgcc	catgtagaag	agattataaa	aaggtaactt	ttctccagaa	taattctcct
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25021	tgatttttagt	ttattttaa	tatgtccctc	aaattagata	attacatttt	aattaaaaaa
25081	ctaatcaatt	gtgattatta	ggttatttct	tagttttctt	atttgtatga	tcttaatttt
25141	gtgaaaagat	gattaaagct	agtccttggt	gcctgtggcc	aatgtttggg	tcttaatctt
25201	cctgggttatt	ttagctagtg	ataatttctg	tgtccaatac	atagttaagt	atatatttga
25261	ttatatattga	agtttgattt	tccctgcttt	tactttgttt	tcagaaacta	ctttgtagta
25321	gagttagggtg	aaaatgtagc	tttagaaata	cataatagaa	atatataatt	ataccatatt
25381	gtgtttataa	gcaggcagac	atttttctta	gctgctaagt	tcattttgtag	caaaaataatg
25441	acctgaaact	ttcataaatt	tgaagtttct	taagggaact	tgatatttat	tttagcaggg
25501	cccttttata	attactgctc	ttaatggcct	taacatatgc	ttaatggcct	taacaacatg
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26161	tgggtgtcaaa	ttcttgacca	caagcagtc	tcctgcttct	gccttccaaa	gtgttgggat
26221	tacaggtgtg	agccaccaca	catagccctt	ttacagtttt	aaaaattatt	gaggacaacc
26281	attaatattt	gtgtagatta	tatctgttga	tattttaccac	ttcaaattaa	aactgaggaa
26341	gcacacaagt	tatcagatcc	catttcatgt	agtgctctgga	aaacttcatg	gtactcccat
26401	gagagaaaga	gtgaaaaaga	gaaataatgt	cttagtatca	ttatgaaaac	tgcttttacc
26461	ttttatacct	actgaaagag	agttcactgg	accacacctt	gagaactgct	gctctagaac
26521	tgggcatttag	ataaactgca	ttttccgcaa	acggacacct	gtttttgtca	ataaccttat
26581	ggcatttttt	aaatttagtg	cagcctgaag	aatccccctg	aaatgtgggt	gtatgtcttt
26641	ttcagccgtt	aatcttgcat	ctttgagatt	ccttaagatt	atcttgccct	ttagttttct
26701	gaggtaaagt	ttttggggac	ggcagtgatc	tattttcaga	aatgggtccc	attttcaaga

## FIGURE 2-H

26761	ttttgaaact	aaagttttgc	atgagaatta	atccatgacc	gtaaattata	tcaatagaat
26821	tggcattttt	gttttgtaaa	agaaaaga	gctctgttct	cacagaaaat	atttaaaatt
26881	agagacagtt	tggatttttg	attactgctt	tataaatgta	actttatgtt	ctttgctgag
26941	tagaattttt	tttcataaaa	agtctccgtt	aagtacatta	gatgtcatgt	tgagaaatgg
27001	caattgtcac	ctgatttttg	tgaattaaaa	tgtaaatggt	ttgccaaaaat	ttataaatat
27061	ccacttctat	ttgggacttc	taacttatta	atcagttgtc	tttttacaca	ttgcaaaatg
27121	aaacaaattg	ctctgagtc	taaaaaaagg	tYagttctgt	aacattttata	aatatcgaga
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27241	ttataataat	tttttcttat	cttcagggca	gtaggattct	tttaattcta	attttacagg
27301	aaatgYgctg	gaatttcctt	gtattaaaca	catgtgattt	agataaaatt	tagcctattg
27361	tatatatcat	ttacagtc	atgtggaata	tatatatata	aatgaacagt	aagtatat
27421	tagagcctgt	ggagaacatt	gtacagtatt	atcatttttg	gggtaagttt	taaatcctga
27481	tggaaagaat	gcaataattt	actataagta	gtgattgatt	tattcatata	ctgtcattta
27541	ttcttcttat	aattacattg	gattccatta	aattattcca	tcataataaa	gttattttct
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27661	atatttttaga	aatttttatgt	taaaagcttc	agcttaacta	ctttctctga	aaccttgaaa
27721	gatgatatac	gtcttcagaa	atatactaac	aacagttgat	aataaatcag	gttttgattt
27781	gatctaatac	taagtgtgct	taaacttgtg	tttgatctgt	taaaacagat	ctagctgggc
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28141	acattttctat	taagagcctc	aagtcatgag	gatcagaggg	ccagaaacat	tagttaatgt
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28261	taggcattta	tggtttttct	gagcaaaatg	gaaaaatagg	aaaatagagg	aattagaact
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28561	ccgtggggat	gataatttaa	gtagtagtgc	tcattggagc	ttgcaacttt	tcctttgggg
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28801	tttatcgcca	ttttgcagat	aaagaaattt	cagcttcgag	gttcagtagg	gaataagcga
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29401	tcataaataaa	aaatgtatgg	acccaagtgc	catcttttat	tatatgtaat	gttaagcaca
29461	atctattataa	tatgcaagaa	tcattttctt	aacttactta	aagtttaaat	ctataatgca
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30121	gtactttaagg	agtatagagt	ccttaagtgt	gccatcacat	acataactgc	ttatatgtta
30181	ttttgaattg	attttttctt	attttgtata	tgtgcgtctt	gtcttctcta	ggtaggatta
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30361	aatagcaaa	cagatcaaca	gtagttagtt	gcatgctgct	tttttcatat	cctagaggag
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30481	ttgataaaga	ggtcaagtat	atattttctca	aatataatgt	actttgaagt	taataaaaga
30541	atggaaaatg	gggcatacat	ttggaaatgc	atataataat	gtttaagtaa	taaagaattt

# FIGURE 2-I

30601	tagtgattaa	gttttttttt	tacttttaaat	gtgattttct	gatatatgtt	aatatttttaa
30661	tatttaggact	cgctgattct	tgagaagagt	caaaactgga	gctctcaaaa	aatggaccat
30721	attctgattt	gctgtgtttg	tctgggagat	aatagttagg	acgctgatga	aataattcag
30781	tgtgacaatt	gtggcattac	agtccatgaa	ggtaatgttg	ctttcttttc	tctcttttta
30841	gaaatggctg	actgtggctc	ttttacattt	gtactaaggt	ggttctacaa	tatttcatgg
30901	tgtttcgggt	gaaataatgc	taaatacatca	aagtatggat	gctatttttc	aggttatctt
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31021	ctcggttcac	tgcaacctcc	acctcccagg	ttcaagcgat	tctgtgcct	cagcctcctg
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31261	cctcttaagt	agctgggatt	catcttaatt	gccaccatgc	ctggctaatt	ttgtattttt
31321	tagtagagat	ggagtttcac	catattggtc	aggctggctc	tgaactcctg	acctcgtagt
31381	ccaccgcct	tggccacca	agggtgttga	ttacaggcgt	gaactaccgc	gcccggccaa
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31681	tactRtttct	tgtttgtttt	tttttaattt	tttaattttt	taattttttt	ttttttttt
31741	tggtagagRc	agggttttgc	tatgttgccc	aggctgatct	tgaactcctg	gcctcaagca
31801	atctgcctgc	ctcgccctct	caaagtgtct	agattacagg	catgaaccag	tgtgccaggc
31861	cttatttcca	gttttttttt	tttaattttt	aattttttaa	aatattttct	agttttttaa
31921	taaaattcag	aagtaggaaa	aagttgacta	ttttagtctg	atagaaaaca	ttcttaaaaa
31981	atttatattc	tatcaatttt	ttgtagcttc	ttctttcata	gttgattttt	tatttttgag
32041	acagagtctt	gctcttgtcc	aggctggagt	gcagcgacac	aatctcaggt	cactgcaacc
32101	tctgcctccc	aggttcaagc	gattctcttg	cctcagcctc	ccgagttagct	gggattacag
32161	gtgcctgcca	ccatgcctgg	ctaatttttg	tatttttagt	agagatgggg	ttccaccatg
32221	ttggccaggc	tggtctcgat	ttcctggcct	caagtgatcc	acccgactca	gcttcccaaa
32281	gtgctgggat	tacaggcatg	agccaccgtg	cctggctgac	agtatgtatt	tgtaagagc
32341	aaagggccgg	gtgcagtggc	tcacgcctgt	aatcccagca	ctttggggagg	ccgagggcggg
32401	cggatcacct	gaggtcagga	gttttagacc	agcctggcca	acatggcgaa	accccatctc
32461	tactaaaaat	acaaaaatta	gccggcgctg	gtggcttata	cctgtaatcc	cagttactcg
32521	agaggctgag	gcaggagaa	cactggaacc	caggaggtgg	aggttgagct	gagccgagat
32581	ggtgccactg	tactccagcc	tgggcgacag	aggaagactg	tctcaaaatt	taacaaaca
32641	aaacaaaaaa	ggcattctct	tacataacca	cataattatc	aaagtcagga	agttagcatt
32701	gatgaaatgc	tgttttatct	aatttatata	gattgtattc	agatgttgcc	aatgtgccca
32761	acaatgtcat	ttctaacaaa	atcaaaagcca	ggatcatgta	ttgcatttaa	tcgtcatgtc
32821	tgtttagtca	cctttaatgt	agaacagtcc	ttgagtttct	gtctcataga	cattttttaa
32881	tatatagtcc	agtttttttt	attttggttt	gtttttacag	aatgttccta	atatgattag
32941	atttgggtta	tatgcttttg	gccggaatag	cacggaagtt	atatagtgtt	cttagtgcatt
33001	cgtattagga	agcatatgat	atttatttgc	gcagttactg	gtgatattac	tattactttt
33061	ttcttcattt	ttattgcata	agcctaacaa	tttagaatac	tgggtgatatt	ttgactcact
33121	ggttgagagg	gtgtctttct	ggtttatctg	tggtaaagtt	attttttctt	accaattaat
33181	tattattatt	attattattt	tttaatcagg	gctgtgacta	ccacaaaaca	gtatttctat
33241	ggcctttctc	ttacctgctt	ttctgggtatt	acagcccttg	tcccaagtaa	ttctgggagt
33301	ctgctggact	tgtgggactt	tgcatgatct	gtgattctct	agctaagtct	ctgatcttca
33361	tgtggagctg	cccttttttt	ctgcctaaca	ctcactgtgg	gaatatctcc	agttactgtt
33421	attcatttat	attttttagta	atgtttgttg	agtaccttct	atgtgcttgg	tattctgtaa
33481	attttaggca	tatgaaatag	aatgtacaca	ttgttgacct	ggtggaactt	aatgtctgga
33541	cagacaggca	gtaaacaaac	caataaatat	ctcttagattg	gtggcccaga	ttctgaagaa
33601	aaatgaagta	ggacaaggag	tataggaatg	ctgtgtgtga	gggtggttgg	gtgagttgca
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33721	ccagcacttt	gggaggccaa	ggcaagcgga	tcacctgagg	tcaggagttt	gatatacagc
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33841	cacgtgcctg	taatcccagc	tactctggag	gctaaggcag	gagatttgct	ggaacctagg
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34321	tgaacccagg	aggcagaggt	tgcagtgcgc	tgaggctcag	ccactgcact	ccagtcctggg
34381	caacagagtg	agactccgtc	tcaaaaaaaa	agatcttgaa	gtggtagcat	gcttaagagt

# FIGURE 2-J

34441	gtttgtataa	tggcacagaa	gtttgtatgg	ctagaactgg	gtgagcaagc	tggttagtgg
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34561	ttttattatt	gtgtccggaa	ttggtgggtt	cttggtttca	ctaacttcaa	gaatgaagct
34621	gtggatcctc	gcggtgagtg	ttaacagttt	ttaaaggcgg	cgtgtccgga	gtttgctcct
34681	tctgatgttc	ggatgtgttc	ggagtttctt	ctttctggtg	ggttcgtggg	ctcgctggct
34741	caggagtga	gctgcagacc	ttcgcggtga	gtgttacagc	tcataaaggc	agcgcgtaac
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35461	gatcccgcac	cagggccaca	tgtggagctg	cccgccagtc	ccatgccgtg	tgcccgcat
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35701	gccggcgggc	cagcactgct	gggggaccgc	gtgcaccctc	cacagctgct	ggccagggtg
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35821	gcgctggccc	gcaagcgctt	tgacagccc	cggttcccac	ccgtgcctct	ccctccacac
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36241	gatagtaaaa	gtttggtttt	aaactctgtt	tatgtaagat	gttaggacta	gaaattttaa
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36361	agtcataccta	gtactttaga	ggagatgggg	aacacatggc	cagtgaagata	tgaggaccat
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36541	ctatcccaga	ggttattgaa	aaaaaaaaact	aattgataaa	atgtttatat	catatgattc
36601	attaaataaa	tataaaatac	acagaagcaa	ggggaaaagt	agaggataag	ttacttcatt
36661	taggctgggg	tttaagtagg	atagaaggac	cacactacct	aaataaatcc	tggggtacat
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36841	aagtatgcct	ggtcatggcg	ttagctctcc	agttaatcta	ctcaacagcc	gtaggtttta
36901	tttttatttg	ttagtggaca	gagtaggtat	caccaatggg	tggccaaatt	aaggcttcag
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37021	tgcatatttg	cctcaagaat	attagatata	tcttggtcct	tctatccctt	tctgtctgta
37081	tttaatgcat	acgtgcttta	cttacttttt	atctatacat	acacatataa	gttttattga
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37321	gatgagtttt	tatatagaga	agccaggaga	tgggacaagg	gatgtgaaat	tgaggagggg
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37441	ccaaaacata	gcagcttaaa	acaacaaaca	tttattattt	cacatgattt	ctaaggggta
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37741	agctggcttc	agagtaagtg	atcaaaagag	gaaagagacg	gaagcagttg	tatcagagtg
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37861	gttcacacaa	gccaacccta	gtcagatgta	gggtgggggca	ttctaagagt	gtaaatacca
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38041	aaatagttag	gaaagaagg	ggaacaattg	ctggaacaaa	ggttttgagt	gcaagattag
38101	aggggatgag	atccagtagc	aagtagagag	attgagtaga	taagagtaac	catagtaatt
38161	agggaaaaaa	ggatatatgg	gtccagatgt	agctagggtt	ttagatgtgg	tagttggagc
38221	atgtgtaagt	tattttttaa	atgtttcttg	ttttctcagt	gaaataggaa	gcaaagccat

## FIGURE 2-K

38281	tagcagagag	tgggacagt	gggagttaga	gatttgggga	ggcagagttg	tataaattta
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38401	gacacatata	tgtatatata	cacacacata	cacagcaata	agaccacttg	atattagtgg
38461	taatgaatat	aaagagctca	ttaatatata	tatatccata	tgaatatgat	attagtggta
38521	atgaatactg	ttactgagaa	aagtaaacat	gggtgaatat	atgtgtatgt	ttcttctcca
38581	ggtgtgggtc	agattcctgg	gagtaggtaa	agaatatgtt	aactcaggag	tagcagctac
38641	tttggcagt	tttgttacat	tgatcactga	tgatcacaaa	catgttactg	ctgcttatat
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38821	ccatctctac	ttcttaagtc	attcttaggt	ctacttctta	gattgtgggtc	attgactatg
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39721	aaaaagtcgt	aatcaaggca	gacaaatgag	atgatcaagc	tgagtggtaa	tgccaattaa
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40141	acttaaaaaa	ttacgctact	actttcatcc	tctagtttta	ataatttccc	atttcccttt
40201	ttaattttgg	agtttctgtt	gtatgattga	ttttgtatgt	tgtattatta	gactttctgt
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40681	cttattgtta	agttttaaga	gttccttgta	tattttggat	atcagttctt	tacagatag
40741	gtcttttgca	aatactttct	cccagctgtg	agtttgcctt	tttattctct	tgaaggatct
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40981	tttaaaaaat	tttataaatt	tgcatttcac	atttgggtct	gaatttattt	ttgttacgag
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41461	ttgacaatat	tgagcttttt	tattcatgaa	cataataaac	atttattttat	ttagttcttt
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41641	tgttttcata	agaaagcaat	tggttttgtt	atattaagtt	tgtatgctgc	agtcttgcta
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42001	gtgttttttt	tttacttgtt	tgttttgaga	cagagtctca	ctctgctgcc	caggctggag
42061	tgcatgtggc	caatttcggc	tcactgcaac	ctctacctcc	tgagtccaag	tgattctcct

## FIGURE 2-L

42121	gcctcagcct	cccctaattgt	gtataattttt	aaaagggtgcc	tcaagattcc	tcatgcagga
42181	gatgggaagg	atcatccttt	gagagacatt	ggtttagaag	aaagtaaaaa	tggggggata
42241	aaaggaactc	tgcaatgtgg	acgatgtcat	gctggagcct	agacagccac	aggtgtaggt
42301	caagggggga	gccagagcaa	tgtagaatga	agtatgggtc	ctgggtataag	gcaaatatca
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43621	tttgtgacaa	gaacagctaa	aatttacatt	taacatgaat	cccatacaca	gtacaagttt
43681	attaccctga	attaattcat	taaaatttc	ttaattataa	gtgacatatg	agtagcatatg
43741	taaaaatagt	tatgctgtct	gtctcaactc	tacttctctt	tgcataggga	atcactgtta
43801	acaatttggt	atgtatctac	cccactgtgt	gtacctgtg	taccaggggt	tttttaactt
43861	tattttatta	tgtagatata	tgtcctctgt	ggaaaacatc	agtagaaata	agctaagaaa
43921	acatctccca	gttgggcttg	gtggctcacg	cttgtaatcc	cagcactctg	ggaggttgag
43981	gtgggtgagt	cgcttgagct	caggagtgtt	agaccagcct	gggcaatgtg	gtgaaacct
44041	gtctctacaa	aatacagaaa	aatcagccag	gtgtgggtggc	ttgcgcctgt	agtcccaact
44101	acttgagggg	ctgaggcaga	ggatcgcttg	agccagggag	ttcaaggctg	cagtgaacca
44161	agattgcacc	actgcattcc	agtatgggct	acagaggaag	actttgtctc	aaaaaaaaaa
44221	aaaaaaaaaa	aaagaaaaga	aaaagaaaac	atctctcata	atcataccac	ctagaggtaa
44281	atatgcttaa	aactttagtg	ttgttcttc	caggcttttt	tttttttttt	gttgcttgc
44341	tcatacatat	acacaaatat	atatttttaa	tttaatagcc	aataatatgc	acactcttct
44401	tataatctgt	atacctctat	tgtcactatg	gtttctccac	acccacagg	atccattcag
44461	gtaccatgag	ttgcacttgt	gttatatctc	tttagtctcc	attaatctag	aacaattttt
44521	ctgccatttt	gtgggtgtta	tgatgttgac	atattgaaga	atcttagttt	ttataatgtc
44581	atattgaata	tctctcagtc	tggatatatc	tgtattgttt	cttggtgatta	gattcagttt
44641	aaattttttt	ttttttttgt	aagagtattg	tgtgtgtgtt	tagttcccat	tatatcacat
44701	caaaagacgt	ataatgtggc	tgggtgcggt	ggctcatgcc	tgtaatccca	gcactttggg
44761	aggccgaggt	gggtggatta	cttgaagtca	ggagtccgag	accagcttgg	tcaacatggt
44821	gaaatcccg	ctctactaaa	aatacaaaaa	ttagcctgta	atcccagctg	gttgggaggc
44881	tgagggcacaa	gaatagcttg	aacctgggag	gcggagggtta	cagtaagcca	agattctgtc
44941	actgcactcc	agcctgggca	atagagcgag	attccgtctc	aaaaaaaaaa	tgtataatgt
45001	caattttattg	cattattggt	gatagtttag	gtgatgtcaa	ccacagacct	cttaatttta
45061	aagggtttttt	ttttctattt	gtaattaatg	ataaatctgt	ggggtaataa	ctttgagact
45121	ctgttaatat	gccattctct	agcaactttc	cacttaatag	ttttagcatc	cttgtaaaag
45181	tcactgatta	caattacact	gattacatat	gtaggctgca	agatggaaat	ttgctaattc
45241	caattctaat	tcctcctaca	tttattagga	agcatttact	gtgtaaagaa	attctcttcc
45301	cctttttttc	cttttcagta	ttactgtgag	ctcatatgtt	ataatctatt	aactgattgc
45361	tgtttctggt	acttattaca	ttgtccaaRt	ttgaccagtg	agagtccttt	aagaaggccc
45421	tttgtgtatac	acaaacactt	ctctctcttt	ctctcactSt	ttctctgttt	tgtccaccac
45481	ttttctgtct	ctacctctaa	ataaacctga	taaatcccta	agataatttt	ctacaacttg
45541	ctttgtttca	ctcatctggt	aattctgtaa	ttcttctcat	gtcagtgtat	gtgggatatt
45601	tcaattctttt	taatgatata	tagaatggct	caaccataat	gtacttattt	ttttgtttca
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45721	ctgtgggata	gatacctaga	agtaaaaaatt	cttttttttt	tttttttttt	tttttgagac
45781	ggagtctcgt	tctttcacca	ggctacagtg	caaagggtgag	atctcggctc	actgcaacct
45841	ctgcctcctg	ggttcaagcg	attctcccgc	ctcagcctcc	tgagttagctg	ggactacagg
45901	catgcgccac	ctcaccgggc	tatatttttg	tattttgagt	agagacgggg	tttcaccatg



## FIGURE 2-M

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46081	aaaccatttc	cagattgact	accaaaggga	ctgtactaat	taccaacaat	gcacaaacta
46141	cttgataaca	ttgcatattt	gtaaattttc	ttttattctt	ttggatataa	tctctttatt
46201	acaatgtgca	ttcaccttat	taagaatgaa	gtttggcatc	ttgtggccat	ttgccacatt
46261	ttgttttctg	ttacttgcc	gtcattttct	tagtcatttc	ttttcttttt	ttttctgggtg
46321	aaaacataca	catatattta	gaattagcca	gctggactca	gttttagatga	tcccaatttt
46381	gttggcaaga	ttcaaagcat	tgtaatcagg	agccagtcga	acatatgcct	tcttttctcc
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46561	tcttctatct	tcttcatggc	agactcagtg	gtcagcagaa	acttgatgat	ggtagtagtag
46621	tcaagcttgt	ttctcctggg	ggagctYttc	cgaggatatc	tgggctgcct	ccagagtctc
46681	agtgtcttgg	gctgctggaa	gggtgggtgac	atgcggatct	tcttttttgg	tggctgtgga
46741	cacctttcaa	cactgccttc	ttggccttga	aagccttcgg	tttggcttca	gcttaggag
46801	ggacaggagc	ttccttcact	ttcggcactg	tcttgtgaaa	agcatagtca	tttcttgtcc
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46981	aatacaaaaa	atttgccagg	tgtggtagt	ggcacctgta	atcccagcta	cttgggaggc
47041	tgaggcagga	gaatcgcttg	aaccaggag	ggcttgaacc	caggaggcgg	agattgcagt
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47401	gggactagtt	tttaagtttc	aaaatgaatt	tttatctaaa	actcaatcca	aagaaaggga
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47521	tgcttacagt	gacagacttc	catattgtaa	ttcagccatg	caatttttaa	aaaacatggg
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47641	aatattaaat	aaaatgtgga	aaatatagaa	cagagagaag	aaaaaaacat	ttctaattgt
47701	cctcatatcc	agacagccat	agtattttgt	tgcatttctt	ttatctcctt	ttttttgaga
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47821	agtatgccaa	atttcgctta	ttgaatttat	aattgtttac	tgttaattact	tttcagagt
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48121	ttaaatgaga	taaggcttac	taagagatgt	ttccccctat	ttatttttca	tttctagtgt
48181	agcctagccc	aaggccattt	ttgtttttta	gtgtatgcaa	aaagataacc	ttaggagtgt
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48301	ttaggacagg	ggtccccaac	cagggtgtac	tggctccttg	cctgttagga	actgggcctc
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48421	atcagtgcca	gcattggatt	ctctggaaag	cgcgaacact	attgtgaact	gcacatgga
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48601	ccctgggtgcc	aaaaagggtg	gggaccaatg	ctttgggata	tattttctgac	aagtattatg
48661	catgttgtag	gtactgtctt	tctcgtaaac	aatattactc	attttaaaat	cttttttggc
48721	cgggcgcggg	ggctcacgcc	tgtaatccca	gcactttggg	aggctgaggt	gggtggatca
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49201	ttcaaagtta	cacagctaga	agatggaaga	ctgaaagtcc	actggcccct	gtgtgaaaag
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49441	cactgagcac	atatgagttt	tatgtgttta	tacattgttt	attttgttta	cccatatgaa
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49621	gctcagtaaa	cccaacagg	atgacagaga	aatatgggat	aaagtggcag	taaaagtggc
49681	aagtaaagaa	ctctataaag	gtaatgacac	agtatggatc	atttttcagg	gacagtgaag
49741	ctgaagaaaa	aatacataca	gacttgctgg	ttgttctttg	agcttgca	acaccattct

## FIGURE 2-N

49801	tccagattac	aaaggaagaa	tttctgga	atggatttca	gaatcattcc	taagattaaY
49861	tgtaggaggt	ttaaaactct	gtgcaaatgt	gcacgtttgc	tatgtgtgtg	gaatattcct
49921	taaaaatata	attgaaaatt	ttctttattc	tgaaaaagtg	aactgctgtg	atttaccttg
49981	atttggtcga	atgaagttaa	taaattggat	agctccttaa	gggctttatt	ctcttggtaa
50041	ttgcctactt	gtgtggatgc	acattttatc	tagtttgaat	ttgtttcaaa	ggaacattat
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50401	tcctttttaa	tctgttcttt	gacattttat	atgactttca	gattgtgtgc	gtatatatga
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50521	tatagtttaa	tttgtaacta	ttaatattaa	ctatatattag	cataactatt	aacatagtat
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53521	cattgtgtat	actacattag	gtgaaaaagt	atataaaatg	agttttattc	tgtattttaa
53581	tacgtttctt	ataaaccatt	ggtgtttcat	atctttttcc	tcatctcttt	gctattcttt

## FIGURE 2-O

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53761	gaaaactcca	ctgaaccttg	gttttgtgat	gcctgtaaat	gtgggtgttc	tcctagctgt
53821	gaactgtgtc	ctaatacagga	tggaaattttc	aaggagacag	atgctggaag	gttaatgtcc
53881	taattatggt	ggttcatatg	tttgctttat	aatgtgtctg	cctttgactt	ccctgttctt
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55681	ctccttactc	ttactactgc	cgttactgct	gctactagt	ctttcttatt	accattattg
55741	ctccacttat	tttaggtaat	catggagtat	tagctcatgc	atagattttt	tttttttttt
55801	tttggttaact	cttccagtcc	tggaatttga	aatttttgg	gataaattgt	gttgaataag
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55921	tcttggtgat	aattttaaag	ttctgttagg	acactgtcaa	gtagtgggtt	cttcagtcta
55981	tcataataga	caaaaacaact	ggcaaagtgt	tttctgaatg	aagaaaactg	aggcctcttt
56041	accattttga	tttactgagg	gatttttttt	tggatactgt	ggacgtttaca	taagttagaca
56101	cctcctgtga	tggtgcaatc	tggcaaaaa	tcttttatat	actatttgaa	cacttgtgct
56161	aatgtctaca	cttacctgta	ggctgtactg	gaaattatag	gccttcacaa	tattttccaag
56221	gacgtaatac	tagtttgatt	aaaggtataa	aaagccaaga	aaattcgaga	agccttttag
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56341	aaggttttga	agttcaccat	cacatgagat	taatttagact	tttttcttct	tattcttgat
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56461	ttgtcattaa	atttttattt	tatatcttat	ggagagtaag	acttataaac	ctgactgtgg
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56761	tgtagtcacc	ctgttggtgt	attaaacagt	aggtcttagt	ctttccactt	tttcgactca
56821	ttaaccatct	cccacctccc	cccaccattt	caccctttcc	ctgcactatc	cttcccaacg
56881	tctagtaacc	atccttctcc	tgtctgtgtc	catgagttca	gttggtttgg	tttttagatcc
56941	cacaaataag	tgagaacatg	tgatgtttgt	cttgctgtgc	ctggcttatt	tcacctaaaca
57001	taatgatctc	tagttccacc	caagtgtttg	caaatgactg	gctctcattc	ttttcttagg
57061	cttagtactc	cattgtgtat	tgtgtaccac	aatttcttta	tcggattcgt	ctgttggtgg
57121	aaacttaggt	tgcttccaaa	tcttagctat	tgtaaacagt	gctgcgacaa	atataggagt
57181	gcagatatct	ctttaatgta	ctgatttcct	ttctttcggg	tgtataacca	acagtgcagt
57241	tgctggatta	tatggcagct	caatttttag	gaacctccaa	agttttcttc	atcatgggtg
57301	tactaatWta	catttcatgc	aacagttgat	aagggttccc	ttttctccac	attcttgcca
57361	acatttggtta	ttgcctgtct	tttgatata	agctatttta	actggggtga	gatgatattt
57421	catgatagtt	ttgatttgca	tttctctgat	gatcaaggat	tttgagtccc	ttttcatatg

## FIGURE 2-P

57481	cctgtttttag	catatgagct	tcttttttata	tgtctttttt	tgagaaatgt	ctattccaaat
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57601	gtatattctg	gttatttatc	ccttgtagt	tggttaattt	gcaaataatt	tctcccattc
57661	tgtgggttgt	ctcttcagtt	tgatgatgta	ttctttgccc	agcttgttgt	gatcctgctt
57721	tttaaaaaaa	cctgatatga	tatctttcgt	ctgtttttgc	ttcggttgct	tgtgcttgtg
57781	gagtttcgct	caagaaattt	taccagagc	aatgtcctgg	attccccaat	gttttcttgt
57841	agtattttca	tagtttgagg	tcttagattt	aagtctttaa	tccattttga	tttgattttt
57901	gtatatggca	agagatggcg	tctagtttcc	ttcttctgca	tatggatatg	cagtttttcc
57961	agcaccattt	gttgaagaaa	ctgtcctttc	ccatatatat	gttcctggca	cctttgttag
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58321	atattgattc	ttccagtttg	tgaacatgga	atatttttcc	attttttggg	gtcgtcttca
58381	atttctttca	tcagtgtttt	atagttgtta	ttatagaaat	cttttacttc	tttaagttaa
58441	ttcctaggta	tttaactcta	tgtgtggcta	ttgtaaatgc	cattactttt	aaaatttctt
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58741	tgttgaataa	cagtgggtgac	agtggccctg	cttgtcgtgt	tccagatcct	agaggaaaag
58801	cttacagttt	ttcccattca	gtacgatact	agctgtgggt	ctgtcatata	tcgcttttat
58861	tatgttgagg	tatgtctttc	tatcccgttt	ttggggagtt	tttatgatga	agggatgttg
58921	aattttatta	aatgcttttt	cagcatcagt	tgaatatgatc	atatggtttt	tatccttcat
58981	cctgttgatg	tgatatatca	tgttgattga	cttgcttatg	ttgaaccatg	cttgcaacc
59041	agggataaat	cctacttggg	ctaatgatgc	tttctaactg	attgttaaat	tccggtttgt
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59221	tttggaataa	ttccctcttc	ctctgttttt	tggaaatagt	tgagtaagat	tgggtattagt
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59341	ttttctttac	cgggagactt	tattatggct	tcaatctcgt	tacttgttat	tggctgttac
59401	aggctttgga	tttcttcatg	gttcaatctt	ggtaggttgt	atgtgtctag	gagttcatcc
59461	atttctttta	gattttctaa	tttatggca	tatagttgct	catagtagct	gctaatagatc
59521	ctttgaattt	ctgcaatatc	agttataatg	tctccttttt	tattttcta	tttatttact
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59641	caaaaacta	acatttttgt	tattgtactc	tttgtatatg	ttttttattt	caattttatt
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59881	atgttgtgtt	tccattacta	tctgctacat	tcttcttctt	tatgtccttt	tgtgggtgtc
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60121	tggctcactg	taacctctgc	ctcctgggct	cagggtgatcc	tcccactgaa	gcttctctgag
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60721	aaaatcagtt	aatttttctg	aaaccaattc	ttcatatgta	aatgaacaac	ctcctactca
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60841	acacactctg	ctgtaagcac	ttcactataca	tctttataac	ttccaaacta	cctttatggg
60901	gctctgtgcc	tagtagacac	ttataattga	ttactgaatg	aaggaatgaa	aataacgtac
60961	ttgacgtgaa	tttgttttac	atgctgtaaa	ggcattactg	atacagagca	cttcaaactc
61021	caattttatt	gattaatata	gttttcatte	ttaaatgagt	cttttgagaa	gtatcactct
61081	acttagtctg	ctttattaaa	atatatgaat	ttacaataat	ctgttaatat	tttgtcttag
61141	gatgacaatt	ctgactgttt	tttgggtggt	ttatgtgatg	cttatttcct	gttctcttcc
61201	ccagtcagca	tctgtcataa	tagctccaag	caaaattaat	ggtaaagtaa	caaggaagat
61261	ttttttttta	attgtagatt	tgtcttaatt	acaaagttaa	aaataatgtg	catctaaaca

## FIGURE 2-Q

61321	gatgagcaag	aaactatttta	cagctggtat	taaaagggac	catagttgtc	tccggccatga
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61441	gttgggagaa	tgatatactt	gtatgccagt	cacattgaaa	tggcagttta	aatctgtagt
61501	acttgtgtac	tacattttta	gaaggtcagt	atgaagcaag	cagccagctg	ttaggtttat
61561	caRagataaa	ctcctacaga	gtatagcgac	atttaataca	tcagtggagc	atgaaaaaac
61621	tgaacaaatt	aaattgagaa	agcagctgct	tggtgaagaY	gtgtatcttt	atattgaact
61681	ccataggatg	tatttgggag	gttggattaa	aacattctat	caagaaaatc	tcaaacctt
61741	ggcttttttc	cccaataaaa	aagataattt	tttaaaaaga	tttagaacta	tttttcccag
61801	tgctcttaga	gaataatttt	tggtcttagt	cctctaaaac	tcataatgca	ccacaaaaac
61861	cagaaccatg	tagcatgcat	agcctctgaa	gttgtgataa	agcagaattt	gttgttaata
61921	tattcacagg	gttaatagag	atttgctgct	gtgaccctct	ttcttacaaa	agtgtcaaga
61981	tctactgttt	aaatttcaaa	gtcagctgatg	ccacattttg	ttttgttgta	agcaagcaga
62041	aagagtgcct	aatatattta	aaaaggttca	gagcagtttt	taaaaaatga	aattagaaac
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62281	gttttaatct	ggaaaggaag	ttaaaactgt	atacaaaaat	tgtaaaaatat	gtccttaaaag
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64621	agcacatctg	tgtaccgcac	ggtttactgg	atatttttaag	ccccttggtg	agacttactg
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64741	ccaagagctc	tgatgaagta	caaggagatt	aatgtgtttt	cctgcctgct	gtcacaacag
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65041	ccttcatgga	taactttgaa	ggggttgaag	aattcagtg	aggaagtcac	tgcatagtgt
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## FIGURE 2-R

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65221	gtttctcag	ttggaatcta	ctcctggtga	agatgctatg	aacattgtta	aaattacaac
65281	aaaagactta	ggatattaca	taaacttgat	tgattaagca	ggaagagggt	ttgagaggat
65341	tgactccaat	tttgaaggaa	gttctaccat	gggtaaaatg	ctgtcaaata	gcatcacgtg
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65821	atcccgcacac	tttgggaggc	cgagttgggt	gggtcacctg	aggtcaggag	ttcgagacca
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67441	ctgttaccag	agtagtttaa	acttttagac	tagctaattc	cccctttttc	ttttaagaga
67501	tagttaaagg	aataaaaaaa	taaataaatc	tgagaggatt	tgcggttaatt	tcaacagttc
67561	ataccttggg	tttataaatt	ttctcttttt	atacagaaa	aatgtacata	attgactgtg
67621	ttgtatatata	ctaccaattt	cacctgatta	ttaacctaaa	attactttta	ttgtctttaa
67681	agatatattaa	aacatgcatg	atttctaggt	tgtaatgcct	agattttttg	ttggattttc
67741	tctggctctct	tgtttctctt	tccaagcaat	tttatattgt	ttaagaatta	gtatagcttg
67801	atgggtgggct	ttaaagtaa	attgtcctgg	tttgaagcct	tacattttact	ttctttgtta
67861	tttttggcaa	gcagatttct	taacttgtct	ttactttaat	ttcctcatgt	gtaaaatggg
67921	aatagttata	gtatctcttc	ttcatagtag	ttgtgtttaa	tgattacata	tatttataca
67981	tatagtcctt	gacttatgat	gggtttacat	cctgataaat	ccattgtaag	tttaaaatat
68041	tttaagttga	gattaattta	atacacctaa	cttactgagc	acagcttagt	gttgccacc
68101	tttaatatgc	ttggaacatt	tacattagcc	tacacttgaa	cacaatcatc	tgacacaaaa
68161	ctttattttta	taataaaaatg	ttactattga	catgtaattt	attgaatacc	ctactgaaag
68221	tggaaaacag	aatgggtcgta	tgggtactgt	aagtgtggat	tctgctgagc	gtgtattgtt
68281	tttgcaacat	tgtaaagtta	aaaaattaga	agtggaaactg	ttgtaaaactg	gggactgtct
68341	gtatatgtaa	agtgtctaga	atagtgactg	gcacatagta	agtccctcaa	taattttaat
68401	tatggttgta	ttattattta	ttatcattaa	attagttgaa	ttttgattta	tttgaacat
68461	ataggttaatt	acgttttttc	atataaaactc	ttggctcgcc	tatgattatt	gtttgtattg
68521	gtacataatt	ggttcattat	ttgtatttag	catttttaaat	atttagtgga	cactttgtat
68581	gagaatgcag	tcttttagtct	ggaaataagt	ttgctttgag	aatttttctg	ttactttgtt
68641	gtaggagtgt	agcttttggtg	aagaccctcg	ctttgctaga	actgggggtt	gcattagctg
68701	tgatgcaggg	atgtgcagag	cctattttcca	tgtgacctgt	gctcaaaaag	aaggtctgtc
68761	ttcagaggca	gcggcggaag	aggttaggttt	atttaaaacc	atagttgggtg	aacatgttca
68821	caagatatct	tttgactcta	tgtcctataa	taagtgtaaa	taataaaaaga	aattttaaca
68881	tttattctta	aagttcttgc	caagatcact	gttctaaaac	tttaagagta	aatgcctatg
68941	agttttgtca	gttttaaagc	tagtcagacg	ttcagaaaac	ataattttta	tagtgagatc

## FIGURE 2-S

69001	tgacagataa	aatgaaagat	aatccaagtt	gtcttaaagc	attaaaatgt	cggcatttca
69061	gccccatgaa	ttatagttaa	aaaaaaatag	catattttat	acgagaagct	gaaactgtat
69121	ttgggtaacc	ttgctctatt	tttctttaaa	taaaatcatt	actgtgtctt	tagtatctct
69181	gttactatct	ctttactgtt	acttttaatt	ccataatatt	cctttcagat	ttattggctt
69241	tacggtaaaa	aatcagttgt	tttcagtggt	tggggactgg	ttaagattcg	ttcaagtatt
69301	ctgagtttaa	aactattttc	attacactat	aaaaatgtta	cttacttttc	tgaactctgt
69361	tctttcatga	gtatttagtg	agacttcacg	agattacata	cagtataaca	gaaccaccg
69421	aatatagaaa	caattttgag	aatccagcta	ccttttttta	tgtcagttat	ctagacatta
69481	gtatgtaaaa	tgtaaaacag	tgccactctc	ctcactcaat	ttttgtgtgt	atgtgaattg
69541	tatttagtaa	aagtgtatac	ttcggtaatg	gaccatttat	ttaaaataaa	ttaatgaata
69601	ttgcaaaaaa	ttttcagttt	taatttttaa	tagggtaact	gtctaaaaa	taactcacat
69661	aaaccctttg	gagtcctcag	taatttttaa	gaatgttaac	aaattgtgag	caggttcagt
69721	tcattcctta	agcttacata	gtaatgaatg	tttatttagt	aatttttatt	gcacattcat
69781	gatggcttta	tggtaatagt	ctaagcctct	ccttggttatg	ttttttcttt	tattgggtaa
69841	attttgttta	ttgtgctgag	attttatctt	agtacattta	tttcatttcc	agaaagttag
69901	caaagatact	ctgatgaaga	aaaattgtag	aaaaaaattt	gaaggatata	ttttatgaat
69961	aaacagatct	tataggaatt	gtatttttga	tacatgtagc	tgtttttgat	acatatagct
70021	gttccaatct	cttcatttat	atagctgttc	cagtctcttg	attttaagga	Rttgtacttt
70081	gatgaaggct	actagatgaa	cagttagcat	cttctcagct	actaggtaga	catagagtta
70141	taattatacg	gtaaaggtag	tctggattcc	tcatagctac	aactcaggat	Rgtgggcaaa
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70621	acagatacat	taggatgtga	gaattagccc	tgaggcatct	tccttgccct	gctgtgtccc
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70921	gtaatcattc	tgtcttgtct	atctctagat	ggttgtagct	atgtacataa	ggatttatgt
70981	aatgtaatag	catttaaaat	taagaaacac	attttaaaact	aaaatagatc	tatgtttgtg
71041	agcatatctt	gccttctatt	tccattttat	actctttaga	cattctaggg	aacttttcaa
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72241	ttgatattgcc	attaggttat	tattgtattt	aaatgtttct	ggtttcagta	aacacatcaa
72301	ttttactatt	aagataccag	taaagcgtag	gtacgttctt	caaatacact	gtttttacaa
72361	gtgccaggta	aggttctcaa	gttacaagac	cgaagttgtg	tcttctttca	gttttatataa
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72481	taagattcta	gaccaaatca	tggcatctag	aggaccacaa	gctaaactta	atccatagat
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72661	cttctcatca	ttcatttttg	ttcttatatt	ttctggcatc	tttttagtct	ccttcacca
72721	tttatgttga	ctattactgc	ttctcaaggc	atgtgtattt	aaggcccttg	cctcagctct
72781	gctaagtcag	aatttgcaga	gttgggctct	agttacctct	atttagaaat	ctccttaaat



## FIGURE 2-T

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72961	aatggtagaa	cccacctcat	gtggtagtgg	tgaaggttaa	agagatagta	tatacaaaag
73021	cgcagtgtgct	tatttcatgg	tagatattca	gaaacatggt	tttccctttc	tgtcttccac
73081	tgggagtagg	atcttgaaaag	ctccattttct	ccaagcaggt	tgaagggata	ttccatgtca
73141	accaatgcat	taattaggac	attatttttga	ctggtttaac	aaaaccaagt	aacgagttgc
73201	ttaaacgaag	aagttgaatt	cactctaata	tacaattcca	ggcggattgg	atactgaggg
73261	gagtttgggt	ccagggatca	gttcccttct	ttcttcttgc	ttcaccttcc	tttagtctat
73321	tgcactctcc	tacacagtca	aagatggttt	atcaccatct	tgactggatt	cttctctatt
73381	ggaagtagca	aagaggagggt	taagagtagg	cagcttcctt	tcaagggcatt	ggtctgggca
73441	tttcatacaa	cttattggcc	agaacttaat	cacatggcca	catctagctg	tggggaggct
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73621	tgtttttctt	aagtcagagt	cttgggtccaa	atgcttaact	cacctatgca	agcatgaatc
73681	ctatctctaa	tgactcaatt	tcaacctcat	ttactttgaa	acattagaat	aattatctag
73741	atctgggtat	ttgggctgag	gttcgggtata	atctttattt	ccatttaaca	tctctgtcac
73801	caagattttag	agcatgtcat	gagaaagcag	ctgtttgtat	gtgttaatgt	agtctcctaa
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74221	gaaaaactaa	tagcttatgt	ttactgttcc	tttttgggac	agacataaag	aatgaacagc
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76561	agtggaacaat	tcagatacta	gttctagtgt	ggatggaagg	agaaaacata	agcaaccagc
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## FIGURE 2-U

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79381	atgaacacct	ttagtctgtt	aaagtttttg	gtgttgaaata	attattgtta	gatggatttc
79441	tttgtaagcc	tttttttagta	ctgtgtatat	aattgataaa	ttacagtttt	cgcaaatatt
79501	ttttattttt	taaggatgat	ggagaccac	tggtttgtgg	cctttcacta	aaaagtagtt
79561	ttattttgtga	aggagctttt	cgaacagata	tttttcatta	tacttgtttt	agagggttat
79621	ggagagtcaa	attcatcaca	cagcttattt	aaatatttta	agaagtgata	catactgatt
79681	tgtactgtgc	tataccagct	ttgaagatgc	tttatgtgaa	aagaatgtgt	gtggcctgta
79741	tcctaaagaa	tgttttaaaa	ggtgagaatt	agtagtcgcc	tctgggagga	tcagcctttg
79801	ttcctgttaa	taggttggtt	gatggatttt	tggaagatta	tgttttatac	ttaatattta
79861	gaggagttaa	tgttgagtat	aaggctttag	tttatttgcc	aagctagcat	tatcttttgg
79921	cttgattttg	aagtttttct	cataagaatc	tcctgtttta	aatactatct	accataaaaag
79981	acattttcat	ttattaaaag	acttttaaca	gaggtttgca	aatttccttt	tgcaaatgta
80041	aaatacacag	cagaagtaga	attcatttat	actgcttgca	tgacactttt	tttttcagtt
80101	ggttgaacag	atgtgggccc	accaggccac	tgagaaatga	ctttgataga	tggttgctgt
80161	ctgagaagcc	agcatactac	agattagttag	aaacccaaag	agaatctcac	ttgctttgtt
80221	ggagagtgtg	gtccaataag	ataatttttc	taattaacct	atggaacacc	aatatagctg
80281	gggtgctgaa	gaaaataaat	ggcctcaata	ttctttttgt	caagtgtact	gtgttttgtt
80341	tttttttaaac	ctcctacgta	tgtgtctttg	tctttgaaag	ctgaaataga	agtttaattt
80401	ttatgtttta	gtgtaccact	gaaaattgat	gaaagtctgt	aattatagat	ttctaattgga
80461	aataactatt	agaaaaaagc	tcattttta	cctttttg	aatgtaaaat	ctgataaagc

## FIGURE 2-V

80521	agatttcccc	ctaacaatcc	tactatat	acttggcttg	agtggcaatt	agaggaaaa
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80641	gaatataccg	gcaattttgc	gagcacccaa	ggagagaaaa	ccaagtaaaa	aagaaggagg
80701	cacacaaaa	acatctactc	ttcctgcagt	actttatagg	caagtaatga	aattaataat
80761	gatagaataa	tgttgtgtat	ttttttaaac	tgatacttat	tagaaagaag	atcctgcaaa
80821	tatttgagaa	tgaattatgt	ccataccaga	atttaagtgc	atttgaagtt	cattttctca
80881	aaagatgcat	tccagtttga	atgatagagg	agatttttgt	tgctgtttta	acctaaactc
80941	tatggaaatg	agcagtaccc	tttggggaac	tggaaaatta	ctttagataa	cattatagtt
81001	attgtcttaa	ataatttaaa	caatataaaa	gatgagcatt	tatattttat	tttacttgaa
81061	tgaattgtag	agtttgtttt	ttagatagtg	atgggtatca	tatatgtata	tatatagaat
81121	gaatctattg	cctttgtagg	cagtggataa	tgaagataag	ttttagtttt	gagtttctac
81181	actttttttc	tcttgatgct	cagttgcaat	cactttgttc	gcataagtat	ttttgttttt
81241	tactttcttt	gctcaatatt	ttcgggtgtc	accattatag	taattttatt	atagtcaaga
81301	cttctttcca	taaaataaata	ggttacgac	tcactttttc	ccaaataaatt	atattaagtg
81361	ggagaagttt	agaagatgct	gggtgttttg	tgtgtgtgtg	tgtgtgtatg	tatgtgtgtg
81421	tatatattatc	tatgtatatg	catacatata	tggtatgcat	gtgtaaatat	ataaatattc
81481	ttctcaaaat	ttctttctca	gaaatagtag	caataacaac	aatatcaatc	tccataacta
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81601	gtgggaaaa	cctacattgt	cttagtgtag	aatgtgaaca	ttagcacatt	ctcaggccag
81661	ctttttcaaa	cacggttggt	tcatttggaa	ccatcaggca	atatcactat	gcttctgact
81721	tttatgacta	caattcattt	ttgtttcaga	atatatttta	agtgtatttt	cttttttact
81781	gagaccagg	actggttatt	tatttattta	ttttggcttt	ttaagtgtgt	gtgtgtgtgt
81841	gtgacttttt	tctaggagta	tttaaaaaaa	aaacctaacc	atcattgctt	tctgtacttt
81901	ccaaatataa	atatacttta	gattttcagg	tgatgggtgt	tgtgtacgca	ggtgtagtta
81961	aattgccttt	ttgcataaga	gaagttagat	ttctgagaaa	ccaaaagatc	ctaaaaaat
82021	agtagcaatc	acaaaattcc	acaatccttg	caataaatat	caattgtatg	gtgcgttttt
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82141	agagactcat	gtatacttgc	agtatatcta	catgttgaag	actgtttgaa	aggtttacaa
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82261	attggaaaa	tactttgttc	tataatttat	gtgtctagag	aaaaaatgaa	ctaattgtgaa
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82621	tctttacttg	ctgcctttat	taaaagtgtg	gggatttgta	agaagaacca	tgatcagcat
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82741	cttacaagga	tgccaagaaa	gacccaaaac	agttatttgt	gagtaaaata	gaggagattt
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82921	tgtgactaaa	tctataacag	cttttttagg	aaatgagttt	ttcatttaatt	gtggctatta
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83041	tttattgttc	agaatttctc	aaatgcttta	ttgttatttt	gaaattgaat	ttatctaaaa
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83161	aggctttact	tctggtat	ggtatttggt	ctagtcat	aaattcaacc	attctttgac
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83281	tcactacatt	tgataaaggt	tatagtatct	ataatgagtt	ttatcctttt	cttaatttta
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83461	agtttttagaa	aagagtgaac	cccaaatttt	taaatggtaa	tctctacaag	aggttgtgtg
83521	tgttcctcaa	atacattagg	catatttttt	gacctcattg	ttttatcact	taaggctacc
83581	tctgttcatt	tgattaggaa	gctgaaattt	tttactattt	ttcacatgat	tgctttttta
83641	tagtgttctt	tgtatcagtt	tgttttgaga	tattcactat	ggcctgttct	tttgaaatgc
83701	agtggaaatg	atttattatg	gtttttatgt	gcttcagaaa	ctgctatagc	atattcaaat
83761	cccaacaatg	ttaataagca	tcctgggtga	gtttttaaat	tgaagagctag	tttgatagtc
83821	tccagagcca	ggatgttttg	ccatgaacct	atatagagtt	atgcagttct	ctccttaaat
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83941	agtttctgca	gctaaaaaaa	aacacacaca	aaaaaaggga	aatcatgttc	tttgtagcaa
84001	caaggaggga	gctggaggcc	attatactca	gtgaattaac	ccaggaaaa	aaaaccaaat
84061	actgcatggt	ctcacttaca	ggtggaagct	aaacactgga	tagtcatgga	cataaagatg
84121	gggcctacta	gaatggggag	ggaggggagc	aagggttgaa	aaactgttgg	gtagtatact
84181	cactacctgg	gtgataggga	tcattcatat	tccaaacctc	agtatcatgc	agtataccca
84241	tgtaacaaac	ctgtgcata	acccctgat	ctaaaataaa	agttgaaatt	aaaaaaaaaa
84301	gaaaagaagt	aatgtacata	gcctgaggtg	ttttagtgag	agcacttcta	aaagggcgta

## FIGURE 2-W

84361	aacaacttag	agcctttttca	ttgttgtag	tggtttttaa	gtaaaagtag	aagttaatgt
84421	tgtagcacag	tgaagccttt	aatttctcct	tgtttctagt	gataacattt	cctttggcct
84481	ctaagatcaa	ccttagctttg	gttagcagtt	aactgggtgt	attaattttg	gagtgtgcaa
84541	gattcagaga	attgtttttt	ccttagtgta	cctcaaagt	gggaggcagt	ttttactttt
84601	tgtctttttaa	catttttcagt	ttatttttga	agttatacta	aagataataa	atactcaaaa
84661	cttaacactt	tctaaatatt	ttgtcacatt	ttactattat	ctatgctcta	gaggttattt
84721	aagtcctattg	catctggatg	gtagaaaaaa	aatgataaac	gcaggttgag	tatcccttat
84781	ccaaagtgtc	ggggaccaga	agtgatttgg	atgttggtt	tgtatttgtt	ttggaatatt
84841	tgcattgtac	ctactggtcg	agtatcccaa	atctgaaaat	ctgaaatctg	caatgctcca
84901	atgaacattt	tctttgactg	taatgtcagt	gctcaaaaaa	catttggtatt	ttggagcact
84961	tcagattttg	gattttttgga	tttgggagtc	tcaacctatg	atagttgcta	ctacacacc
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85081	ttaggagtat	ttgtactgta	gaaattacta	aatactacat	aacagggtct	tccccagag
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85201	tgttcttact	agtcttttca	ttagggaaa	gggtccttta	tttctccttg	tttctagtga
85261	tcaaatttcc	tttgatcact	agggctctgt	tactggactc	ttatttcatg	actgtgcctt
85321	agtctgcagc	ttgaacttcc	acaggctccct	ctggataaat	atttctgaat	ggccggttta
85381	tttttgctgt	ctttatgttt	tgcaagcctg	tggtagcacc	cttactacta	aataccctgt
85441	aagcaaactg	tacctagaat	taattactat	acaatctgtt	gccttctcag	atatcatatt
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85741	tttcagtgat	ataggagtct	Rttgagagg	aagagacctg	ggatgatgat	gggtcttga
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86041	agaggctagt	gatggtgtga	tctaggttct	atgttgtttg	tacctctttc	tagtatttaa
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86521	tcccatataac	cgctagtagg	aattccagca	ttagaatggg	acatttactg	tatatgaaat
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86941	atttattttat	tgcattattg	catttaaaga	ttcataaaat	cctttttttt	tttaacttac
87001	acgaataaaa	ttctctaaat	tagtccactt	tctttttttt	ttcttttttt	gagatggagt
87061	ctcgtctgtg	caccaggtct	gggtgtcagt	ggcacatcgc	caactcaccg	caacttctgc
87121	ctcctgggtg	caagcaattc	tcctgcctca	gcctcccgag	tacctgggac	tacggcgcg
87181	tgccaccacg	cccagcta	tttttgtatt	tttagtagag	atggggtttc	accgtgttag
87241	ccagaatggt	ctcgatctcc	tgacctcatg	atccgcctgc	cttggcctcc	caaagtgtcg
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88021	ttaattggct	tggatcaatt	aaaagggttaa	gattatcttc	agtattgtcc	atgggaatta
88081	taaatttttag	gactctattc	tcatacagtg	tgctaagtaa	aaatatatag	aattaagggtg
88141	agtttagcta	aattaataga	taatagcagt	ttagtgatt	attgaaagaa	gccaggtatg

## FIGURE 2-X

88201	tatttgactt	taggaaagat	aatcatgatt	ttccttaaaa	tattatttga	tttcagctgg
88261	gcgtggtggc	tcacgcctga	aatctcagca	ctttggggag	ggcggggcag	gtggatcacg
88321	aggtcaggag	ttcaagacca	gcctggccaa	catggtgaaa	ccccatctgt	actaaaaata
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88621	gtaccaatta	atgtagcaga	aacatTTTTT	acatatctta	aaggatattt	ataagatgaa
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88741	ttgtagtcta	ctcagtggtg	actctatcta	ctgcaacaat	catgtggcgg	ttgtcttgaa
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88981	acaagggtaa	ttgctaccaa	aagagaagcg	aagaggaaat	atttcagttt	ttaaacaaa
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90661	taccatttgt	ctaaaagtTT	agtttgaatt	aatttttaat	attaccata	ttaaaattct
90721	ttataaatgc	tactttaaca	aattcctttg	ataaataaat	gtatatTTct	tcttttagaa
90781	gtagtggggg	ccaccaaMta	atatgacctt	ttttttcccc	caacacttct	tggagtctgt
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90901	tatgataact	gtgacaagga	gtagtgttag	ggctccttgaa	ggactttgat	tttcagggtat
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91021	taagacaggg	tcttgctcat	gttaccaggg	ctggagtgca	gtgttgagat	catagctcac
91081	tgcagcctcc	acctcctggg	ctcaagtgac	tctttcactt	cagcttcctg	agtactggg
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91201	ctcactatgt	tgtgagcagt	caacctgcct	cagtcctcctg	aagtgcctgg	attatgggWg
91261	tgaGCCactg	cagctggcaa	aaccaccttt	ttaatcagtg	ttgaattctca	tgttggttca
91321	cttaaacata	tagcattggt	aaatgtgttc	ttatacttac	aggatacatt	aaattgcctt
91381	aaatattata	ttcatagtag	tcactcttag	aggagtattt	ctgaatgttt	tttcattatg
91441	tacctataaa	tcacattacc	tgtgtatatt	tttatatatt	attcttatat	acctggattt
91501	tgtatttata	aaaactatag	ctaaagccag	aagataataa	taaatgcagt	acttaaaatt
91561	ttccctttta	tgtaggcagt	gctcggaatg	tgaccaggca	gggagcagtg	acatgggaagc
91621	agatatggcc	atggaaaccc	taccagatgg	aaccaaaccga	tcaaggaggc	agattaagga
91681	accagtgaaa	tttgttccac	aggatgtgcc	accagaaccc	aagaagattc	cgataagaaa
91741	cacggtagtt	tattttttat	ttatcataag	catcatacaa	ttctgaggcc	aaaatttaag
91801	agagtgaagaa	agacacaggg	caacatatata	ctcagaagtc	aaagaaaaag	acaattatttg
91861	gttattctta	acaatttttt	ttctatatta	tgaatatatac	cacatgctta	cctgagtgtt
91921	tgtagtTTat	attttgttgg	aggcataata	taaggaaacac	accagagcat	ccatcaccca
91981	ccttgaaaga	cagaccattc	ccaaagcttt	agaagtttcc	cgtaaacccc	tcgacaagct

## FIGURE 2-Y

92041	catctttatc	tgtctagccc	agaggccacc	tctttactca	gctttacttt	tctcattcac
92101	ttctttttct	ttatagaaga	gatttaacact	ctaaatttct	gtacttataa	ataatacatg
92161	gtttattttt	gtaggttttg	aatttcatat	gaatggaatc	aaatgttttt	ctctggtaat
92221	ttgatatttt	gaccaaatt	atgttgattt	gattcagaca	tgctgatcca	tgtagttgta
92281	gtttatttat	tgtcactaat	gtatagtttt	ctatggaaa	aatagattat	tacctagtgt
92341	ttcttttgct	ttgttgatgg	gcagtttagt	ttttttcatg	tttttctatt	ctatacagct
92401	ttgtttaaaa	tattcctata	aatatctcct	gcagcatggt	aacaaggagt	ttgtgtatgt
92461	attaaggtgt	agatttgcta	agttacagac	tatctgcata	ttcagttttg	ctagataact
92521	gcaattgttt	tccaaaccag	ttcacactca	taccagcaat	ggataatgtt	tctgttgctt
92581	cacaaagttt	tgtccagtgt	tttaatgctt	tccagtgtgg	tacagggaaa	atagtatcct
92641	gacattttat	gttgcatttc	tctcagtact	aatgattttg	ttcatctatt	tacatatttt
92701	tggtaaattg	tatttccttt	tctgggaaat	gtgtatgcaa	gcctttcacc	agtttttctg
92761	ttggggtgtt	tacctttttc	tcattgcaaa	ttctttgagg	ccaggtttta	aagagtttct
92821	tctggggaaa	tcatttatgt	tcattgtttac	caggtacctt	gaaggggcct	ctaccaactt
92881	gagaatatatt	taaataaaa	tttggtgtgt	atgttttcta	ttacatcagg	agtgtaaatt
92941	tcaaaccctt	aagtgtctgc	ttacagttaa	gaattcttag	ggcatacttt	ccttgcttga
93001	gctgaggcag	gcacttttca	aaaatcttcc	ttccacaag	ggagatacaa	agatatatttt
93061	agggttagtt	gtcatcattt	gttctgttac	ctgtttcatt	ttaaagagtc	tttaattttt
93121	tccttaaagt	aacagttttc	tcaaaaaaca	ttttcttaat	ctgtattaac	ctcctatatt
93181	ataatcactt	aaaagatcct	attcaggaga	ttcagcttga	ttttttaaat	cagttttgtg
93241	ttatgggggc	atataaaatt	tatgaggcaa	atctttatct	cttagataat	tgaacagttt
93301	tattttgggt	gctctaagta	gatcaacttg	aaatagtttt	tatttgtagt	ttcaactgtt
93361	tataactcct	tttttaggct	tcaaaaatat	attttgttta	taagggaact	agagagactt
93421	ttcctttgtt	aaataagccg	gctagtttct	atttctaaaa	tattttctat	aattgtttga
93481	aaatggtaac	tagttattct	taagatctta	gagaagagtt	attacttcgt	atgtctgtct
93541	acaaagatta	tcctcttatg	aaacattatt	ttccagttt	ctttatttgt	tcaagaaagc
93601	tttttgacta	gtattatcat	ccttaacttt	ggagtattca	tatagaggga	aattatgtat
93661	attacagtga	aatttttgtg	cccacagttc	agtattactt	gagataaaa	agaactcttt
93721	aacattaaag	gatccttcta	ttttttctc	acctttactg	gtctgctttt	tttatcctag
93781	aattataagg	aagctttaaa	atlttgctaat	ataatcccat	tcctttcatc	ttgttctttg
93841	tctctagttt	tcttgtttaa	aagttttaga	cttcttacag	atlttggtca	gtgaaacacc
93901	agggaagag	tccttgacca	gtaatttcag	gaaatgcagt	gtgattattt	tcttacttgt
93961	agaaattcca	atgcatgttg	aagctccaaa	aaaaaaaaat	cctaataatt	agaaacagga
94021	ttacttttat	ctattctttt	tcttaacttg	tttttatcaa	aaaagcattt	tttaagacac
94081	tttttttttg	gtagcataga	gtactgtgtg	gtgctaagtt	tggaaatgat	gctccggaga
94141	ccatggatta	cttgcattag	gaccatcttg	ggtatttgtt	gaaatgtaga	ctttggaccc
94201	accttagagc	tagtatagac	tttggacca	ttctggaatt	aatcaattag	aatttagggg
94261	tttgactaag	cagatttctt	agggtctacg	cttatactaa	ataaaagtgt	aaaataacta
94321	ctaattggtg	ttacctttcc	ttttccctc	tcactctttc	tgctgcctt	ccaacaatcc
94381	attcagaaaa	ccagacaatt	ggtgcgaggt	atcatactaa	actgttcaag	gaatgtagga
94441	atgagagata	cagaaggag	tgatcagta	ttttggtcct	gatcttacca	tttatgttga
94501	gttcctgttg	ttaccttaag	ttttacttta	tttctatttg	agttgtattt	atctttttta
94561	atcaataggt	ggtatggtga	aaaatgaggt	gttctaattg	tgtttcttag	aacagtgtta
94621	attatgagag	accaggcata	caacagctta	ctaacttgta	taaatacctt	ttgcaatata
94681	taactaattt	ttctctccca	ttgttacatt	tttaacttat	tgctcccaat	atcctcctac
94741	ttacactttt	atlttcagcac	aggatttaca	attgggaaca	ttctgtcttg	taatacatta
94801	ttatagtatt	tttatttttg	tcagtttttc	atltttcctg	ccataaaatt	atcaaaagtat
94861	aatttgtttt	catgttagtc	ttattattct	gtcatgattt	tgaagaaaat	tttaccttca
94921	tgacatacgt	agggcaatca	tgacataccc	caagctcatg	gacctgaact	cctggcagac
94981	agcaactgcc	ctgtttacca	cagaagaatg	ggtcccattc	ttcttatgtt	tcatcagtga
95041	aactatagaa	ttattgtaaa	ggcagcctga	gatagttctg	tttaagtact	ttgttattta
95101	gacattttct	ctgcattatt	ttctatgtgg	aaacttttac	ttacttttag	gcaaggaaat
95161	taattttgaa	gaaaacataa	attagcttac	ccatatccct	tttgaagtta	ctttaaaatt
95221	ggtgtttata	cttgtggaca	tattttctaa	tactctaatt	taacttgaaa	gctttcagat
95281	tttctttttg	ctttctttgc	actctaagtc	atgtagtgtc	ttttcatctt	ttgtagaagt
95341	gccaaaggac	ttgttgggac	ctctctttcc	attgttttta	cacacacgca	tgcattcatc
95401	actctctttg	aagttStgag	atctttcttc	ctgacttaca	aattcKgggt	gtgttttata
95461	tattttcttt	tttgcaaaat	aaatgcaata	aataggcaaa	atacttttta	gcagctttga
95521	ctgaaaacca	tattgttttt	caggatgcat	tatttctttt	agatcattat	tttagaagga
95581	gatttaaaaca	catctaatac	tttttccatc	gcacttaaca	atgtgagcca	ctagccaggt
95641	caaagtggca	gtctttattt	gagagataat	caaatacctc	agagcctact	tttattacat
95701	ttatgtttta	actaatttta	cgcataatac	aagtacctat	ttataaatgt	ttaaagcttaa
95761	gtcttgagaa	tctgaaaata	tgaatatatgt	ttcatataaa	tatttttttag	atgttagttt
95821	aggaaaaatg	ttgaagcatt	tggattcagt	tctactgaag	tgactaaagg	ttactgtaca

## FIGURE 2-Z

95881	ttatgttcat	at ttat tttta	cttattctta	tactaactgt	ttgaattact	acagtctctgg
95941	gaaagaagag	ttat tttgtgg	gggctttaca	taccagagtt	ttctattatc	agactcaagg
96001	tgacctctga	ggtacgagtc	agattataaa	acctctatct	gtcatagatt	cttagaagaa
96061	accctggcaa	acagt ttttg	tagtgaacta	gaactcactt	tggctacttg	gaagagatct
96121	actctgtggg	tgtccttagc	tcaagtaatc	ttattcagaa	ccctgagact	cctgt tttgc
96181	tttttgcctc	ttggaaatcc	atcact tttta	tttattccca	ggagtatgaa	ataaagataa
96241	gaataggtgg	agctttcaag	actttcctta	ttttgtatat	accattatct	ctgagaaggt
96301	ttttatagca	gcacttactt	gtcatgtaga	atacatattt	tattatatat	cattagaccc
96361	atagttaKtt	cagt tttatag	tagttaagac	aaattgggtta	tgatt tttctt	tttattctcc
96421	catatat tttt	cataaccctg	ttaacataag	ctaaattaga	taaaaagaaa	ctctacagtc
96481	aattgaccaa	agggaaagca	ctcact ttttg	gtgactgcca	ttccattggt	tgtttattgg
96541	tagccaacag	aaacagatga	cacctgtgtc	ataatttgtt	ttttgtatat	agcaatt ttc
96601	tttgaatatt	tcatgaactt	taacttgttt	tcaatgcagt	ttcataattg	aaagacaaat
96661	at ttttttagga	attatgtata	tgtataattt	tatat tttttt	agaaattata	tttttattat
96721	atattgtctac	atataatata	tgctatacat	ataatt tttat	attcttagga	attaaatata
96781	tattatattt	ttatatatta	gaataaattt	tatattgaag	catt ttttgaa	tagctgccag
96841	aaagctactg	gcatt tttatc	cccagcataa	atctaagtct	atttagctta	acagaggttt
96901	tcaaagtttg	acttaattgt	cctaattaac	attgatt tttg	gaatt tttgcc	catgaataag
96961	catgttctat	ttttacatat	aagttgcaga	gggaagcatt	tcttatgatt	caccatattgt
97021	gacttacttt	aattattaat	ttgtataaaY	attgatattgt	caacaaaaac	acaagtgtta
97081	aatttcagtga	cctggtcaca	agtgaatatg	tgaagcctag	tttactgata	tcaagattgt
97141	taaggctactg	actct ttttag	ttttaaattt	agttcatttg	ccaaatgaat	catgcatttg
97201	acttgattgc	aaattaaaaat	aacctcagct	ctaaagaatt	aattaaaaata	cattacattgt
97261	tttttagtcc	aatgataga	aaagttagag	aatgt ttttaa	ttatttgttt	tagatgaata
97321	aactat tttat	ttacttattt	ttatt ttttat	ttttttgaga	cRgagtcttg	ctctgtcgcc
97381	caggctggag	tgcagtgggtg	tgaccttggc	tcactgcaac	ctccgcctcc	caggatcgag
97441	cgattctcat	gcctcagcct	cctgggtagc	tgggattaca	ggtgtgcacc	accacgtccg
97501	gctgagtttt	gtatt ttttagt	agagatgaga	tttcgccatg	ttggccaggc	tggtttcaaa
97561	ctcgttacct	caggtgatct	acccgcctcg	gcctcccaaa	gtactaagat	cacaggcctg
97621	agccactgtK	cccggcctga	ataaactatt	taaaagt tgc	ctgctagata	agataatttt
97681	acacct ttttc	agtttaaata	cattgtctct	aataccatgc	caatctcttc	tatggatttt
97741	ttaatcacct	cttttcaagt	aagttgatca	cggacagatt	acgagcaagg	tgattttaagc
97801	agctcaggtt	gtaattgttc	cctagctaaa	tcaagttctt	aaaaaaaaga	aaaacaaaaa
97861	attggaatgt	gtcaagattt	ggaatgagtt	ttaaact tttc	atttact tttt	aatagggttag
97921	ctaattactg	tcaaaattaa	tcagtttgga	attgcaccct	tgtttgatta	atcatgtgga
97981	atttccagRt	aacgtatctg	tgttacattc	taaagcacat	tcttgaaaag	taaaattctt
98041	ccttcttcca	catattattt	tcatacctaca	gttttattgt	tgctaaaagta	gtttcagcct
98101	caaaatRtat	cagaaaagga	ccaccagtt	atatatactt	ctattcatct	gagatgggac
98161	aagctct tttg	gtaactgaaa	tttgtcagat	aggcccaact	tattttcgtt	tttcttgctt
98221	ttttgtacca	tttctccctc	ttttaaattc	tacttatgtt	ttgggattca	ttcaagtaca
98281	ctactttcaa	gataacttgt				



## FIGURE 3-A

>14:71227101-71317000

1	aaacccagag	atgtttaaag	acacattaac	cagttgcaat	gtaggggttc	catttggatc
61	ctgattttaa	ctacaggggg	aaaaatgaat	gttggccaaa	tatttgatga	tattaaagtc
121	ttattgctaa	ttatttgagc	tctgatagt	attgtgagtK	tgtttgtttg	tttaagttct
181	ttaccattta	gagatacata	acaaaatatt	tacagatgaa	atcacgtgct	tttgtggatt
241	tgcttcaaaa	taaaatgagg	tcagggagaa	aagtaaggag	tgcgatataga	tgaaacacga
301	ttgaccatga	gttgaacatt	gttgaagcag	ggctacatgg	ggatgtgttt	tactattgtc
361	ttcagtttta	tatgaagggtg	aaatttttcc	aatgaaaca	tttttaaaaa	catatccagg
421	cagagccaga	aaaatcacat	tcctgtagct	gtctccctaa	taaaaaggtc	tttattctgt
481	tctttgcagc	ctagaagact	agtgtcactg	tagctgtagt	aataacagta	atatcaataa
541	taataggcca	ggtgcagtg	ctcacgcctg	taatcccagc	actatgggag	gcccaggcag
601	gcagatcatg	agatcaggag	ttcgagacag	cctgaccaac	atggtgaaac	cccgtctcta
661	ctaaaaatac	aaaactagc	tgggtgtggt	ggcgcacgcc	tgtaatccca	gcgactcagg
721	aggctgaagc	atgagaatca	cttgaaccgc	ggaggcgggtg	agtcgagatc	gcaccactgc
781	actccagcct	gggcaacaca	gcaagagtcc	atctcaaaaa	aaaaaaaaata	acaataataa
841	taataatacc	cagcattttg	gaagcacata	cttgctatgt	gctaaactca	tttaaggagtt
901	tttataaatt	ttctcattta	attcagacga	aatcttatgt	ggtaagtact	attattattc
961	acattttaca	gatgaggaac	ctgagggaaca	gaagtttggt	gacaaaggta	agcctcacac
1021	ccagatctaa	tggcagattt	ccggcttgta	accaacaccc	aaaggtaaaa	gatgaagatt
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1141	accccacccc	acccctgccca	catggcttca	atgccccaca	ccatccttgt	cacattcctt
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1321	tcctcctccc	tccaggtctg	gagcctgcac	atgcgcatgt	cccaggagt	gcgcagctca
1381	cctgggcctc	ggtgcctcct	ctccatccag	atgtagcagt	tgttctgggc	cacccagctc
1441	tgtgtgtcca	ggaaggggaa	acgcagctcg	cgctctgcac	acagccgtga	gttgaactc
1501	cggcagtgct	caatggcttc	cttgtagaac	tgggtcccga	gcctgccaga	gtcagagagt
1561	gaaggggtga	ggccagggaa	gactgaaaca	cacccagagg	gaaacacacc	cagagggaaa
1621	cacacctccc	tggaaagact	gaagacctcc	cagttatgaa	gaccaaggca	atgagcacca
1681	agagccttgc	caatgagcag	aatgcaactc	aatgtcaggt	cttgactaga	ttttattttc
1741	tatcccaaat	ccaccaggca	acttagaaac	tcctttaaca	aagagcatgg	gcttccaagg
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1861	agggaagtag	ctctggaaca	accttctgca	tggaaatctag	aggacatcac	acttctagaa
1921	cctcctcact	catatttagct	acattttatt	ctcagaggtc	accagcaaa	gcactctagg
1981	tgaacccaaa	tcaccagcaa	agatactcag	ttttccatta	caacagaaga	gaaacactcc
2041	atataaaca	aaactaggac	agaaaaaca	ttctataaaa	gtagggaaat	tgagggaaga
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2161	tttccgatag	aaaacaaaca	gaattcaaca	attttaaat	caaaataatt	caactcatgg
2221	agtttaaaaa	acaaatagaa	agacctttct	ggtttgctag	actgagaatc	tgattaagca
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2341	ttaaggtagt	gtccttttca	agaccacaaa	atggagcatt	gatataaattg	ataaatgca
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2461	taaatgcctc	aaagaaatac	aaatgtaata	acataactta	tgccaggtaa	attcaagcct
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2581	agggaaaggag	ccacagagtt	cacaggggca	aaaggagaaa	tcaagtgttt	attctgaagc
2641	aacattatga	tatctttttg	ttttggttct	atgtagattt	cagaaagcca	aaatgagagg
2701	ggaagtctct	aaaaatatca	tttcttaacc	aaagtattta	gaggaataaa	aaaaacaaa
2761	ttgggggtgtt	gggttttttg	gggttttttt	tttttttttg	agatggagtc	tactccgtc
2821	gcccaggctg	gagtgcacgc	gtgcgatctc	agctcactgc	aacctccacc	tcctgggttc
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3061	gcgtgagcca	ccatgcctgg	cctcaatttc	ttaattgtgg	taaaatacac	ataacataaa
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3181	ctgttgtacg	accaccacta	ctatccattc	ccagaactct	tttcatcttg	caaaactgaa
3241	acactatacc	cattaaacaa	taactccccg	ttccgcctct	gccccatct	ccagcaacta
3301	ccaatctgct	ttctatctct	atgattctga	ctactccaag	tacttcataa	aagtggagtc
3361	atacagtatt	tgtctttttg	tgactggctt	atgtgactta	gcataaatatc	ctcagggtta
3421	acctatatta	tagcatatgt	cagaatttcc	ttccttttta	agtcagaata	atatttttaag
3481	tcagaataat	attttttaag	tcagaataat	attccattgt	atgcataatac	acatttttgc
3541	ttatccattc	atctgtcagt	ggatatctgg	gttgcttcca	catttttagct	attctgaata
3601	atgctgctat	gaacatgagt	atacaaatat	cttttcaaaa	ccctgctttc	aggctggggc
3661	cagtggtcta	tgctgtaat	cccagcactt	tgggaggctg	aggtgggtgg	atcgcttag

## FIGURE 3-B

3721	gtcaggaggtt	cgagaccagc	ctggccaaca	tggtgacacc	ccgtctctac	taaaaataca
3781	aaaattagct	gggcctggtg	gcagacgcct	gtaatcccag	ctactcaaga	gtcgcttgaa
3841	ctcagaaggt	tgtggtgagt	tgggattgtg	ccactgcact	ccagcctggg	cgacaggggtg
3901	agactctgtc	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaac	tgctttcagt	tcttttaggt
3961	atatactcag	gagtagaatt	gctgagtcac	atggtagctc	tagttttcat	tttttgagga
4021	accaccatac	tgtttttcat	ggcagctgta	ccattttcca	tttctacca	cagtgtacaa
4081	gggttccaac	tactccacat	tctcatcacc	acttgttaga	aagcaaagtt	ttaaagcac
4141	ttttctatac	tcttttttaa	aagtcaacgg	gtcaggttct	aacaaagagc	ttaaagcaaa
4201	tatcttactg	tgggaaaaca	caaccctgga	agcttctgag	gcatcatttg	gaaattactt
4261	gttgacaagc	atccaaaaaa	aaacaaacaa	caaaacaaaa	accctttgct	cctttttcac
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4381	tgcaaaaacca	aactgtaatc	aaattgtaat	agtcacgcag	ctggaaatga	attggggagg
4441	ggagatgaaa	gccattaca	atgctataaa	actgaatggc	acataagctg	atgtaatcaa
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4561	tgtgtcacac	cagcttaaat	gcttccttct	gctatggcga	tgtagctcag	tggaacagaa
4621	ctttcacagg	cagcttgccc	cagacaagat	gacccaggct	gttcagggtg	tcctggtatgc
4681	tccagccccc	acccatgaaa	cagcaagcag	ccataccaca	tcgatagaga	actgacaaga
4741	acatttgaca	gagaggtgtc	caacgtgaga	gcagcaatct	gttttcccag	gaccttctga
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4861	aacccataaa	atcaggcccc	ccaaaaaac	aaaatgaaaa	attgtatagc	aaaactcatc
4921	tactggagat	gatcactttc	aaaataaagt	tctggaaacc	aatacaaaa	aaactctacac
4981	agtaggattc	caaatgggac	ttgtccta	atgctagtaa	ctcacttcca	acagcgtcaa
5041	tccagacaag	aggaacaaga	aactgaactt	gctaaaaatg	caaagtgagg	ttggccaaca
5101	ctgggtgctcc	acaccaactg	gatcgagaat	gtcaaacaaa	gtggcacact	ggcgaaaaat
5161	taatttcatc	ttaataactt	tctactttca	taacatgcaa	tgttattagt	tacaagcatg
5221	ctgggggaaa	atgtatattt	tctttgtgtg	aatgataacct	aatgataacct	gtcttatgta
5281	aacagaaaag	actttctgtg	gactggaaca	actgtattaa	agatcgaagc	tgcaaaaaca
5341	tgacattcaa	cagccctctt	accatcatct	ccagggaagt	ccttttaaac	agaccagggtg
5401	ttggcagaga	ttcggaacca	aaattttaaag	cctttttcaa	gatataagag	gagaaaagag
5461	atttcatcct	ccctgataaa	ttcaagaagc	acttctccaa	aagttaatta	gccccaaatcg
5521	tcacagggct	tgctatgctc	tcagaagaa	aatcaatgac	tagttctccc	taaccctag
5581	aaagcaattt	aaacagcaga	ggacaaatgt	cctttccaac	atgggtatttc	tgccaaaaaa
5641	aaaaaaaaaa	atcccacaat	gatgggatcc	caggagtgc	atttacatta	aagtgaagg
5701	cgtcagatgg	agcagggaaa	ggctggcagc	aaatgactca	tctgtggagt	ggtgaccagt
5761	gtaccctggg	ttggatcaca	catgggacag	tcccagccat	cacctgcag	caccaaactg
5821	agggggctgg	atccccaagg	gatgattgat	gtcttaggct	agaggaagct	ggcacaaggc
5881	agggtagaat	gatgttctta	tcaacaactg	acttcaggct	actcaaggct	gcaatcagaa
5941	ataggaaagg	caagggaac	aaattgctgg	gctccccagg	ctccccagac	agcattctgg
6001	ttgcagcagt	gctggctgcc	tagttctagg	gggctttgtg	agtgatggag	gtMcttctgt
6061	gatccccatc	gaattgagaa	gccagcccag	ctctgagagc	tgagtgtttc	tacatgagat
6121	cttgccaac	cctccttgag	ccatctgtg	gagatggact	ccagggggcc	aaagaagact
6181	cagaatggga	aagatgagac	ttctccaaag	tgactgccaa	ccaggctcca	aatgtgat
6241	ttcagagccc	atcaatcaca	acccctctaa	gacctctgc	tcctcttctc	ccaacctcct
6301	gtctcaaga	ccacacctgc	ttgtccgat	ttctcagatc	actctcaggt	ccagccagac
6361	acctgggctc	ctccctttca	ctgtctctct	ggttctgtgc	tctgacctga	ggacagggtg
6421	ctgcccatac	cagaaatgtg	agtccaatag	caagtttctc	atcttctgcc	agaagcctgc
6481	tcccgcccac	tcaagtctca	atcctcctag	gggggggggt	gggggtgggg	gccgaggcta
6541	tgctgccctc	cctctcccta	gcaactggc	cttgactctc	cccttgccct	caaaccatct
6601	ggaactgagt	tatttcaatt	atcaggaagt	cgctctttct	ctccactccc	cctgtgtggc
6661	cccaagtccc	ctttgctgtg	taaacaggac	cttggcccat	cactactatc	tgtgcacaga
6721	agcagagata	agcagagctg	aagagaagcc	ctggcctgtg	gcaggattgt	ggggctctc
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6841	gctgttcaca	ccgccagagc	cgcccacaaa	cacacacgaa	agctcatcta	caccaatatg
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7201	atttgatatt	taccctgcc	caaattctcat	gttgaaattgt	aatccccaac	tctgggggtg
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7321	cgtgatagca	agtgaattct	tgcaagatct	ggtcatttaa	aagtgtatgg	tgcctccctg
7381	ctgactctct	ctctcttgct	cctgttttta	tcagtgtgaca	tgccctctcc	ccctttgctt
7441	tctgccatga	ttgtaagttt	cctgagggct	cccagaagc	caagcagatg	ccagcactgt
7501	gcttcctgta	cagcctgcag	aacgatgagc	caattaaacc	tgcttcttat	aaattaccaa

## FIGURE 3-C

7561	atctcaggga	tttctttata	gcaatacaag	aatggcctaa	tccaggaggt	aatcagggtca
7621	ggaggatgga	gccctcatga	tgggattagg	gcccatataa	ggcagagaca	tgagcaagct
7681	ctctcactct	ctcaatctct	gccatgagag	gacacaaaaa	ggcagctgta	tgtgagctat
7741	aaggaggact	cttacctgga	atctgaccct	gctagcaccc	tcatcttgaa	cttcccagcc
7801	tccagaactg	tgacagacaa	ttattttaagc	caggggtccc	aaacccctgg	gccacagagc
7861	agtaccagtc	catgcctggt	aggaactggg	tggcacagca	ggaggtgagc	tgtggggtac
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9181	tcaagacttg	gaattgggtca	tgtctgagtc	cagctccacc	tcttaatagc	tacacaaccc
9241	tcagcaagtt	acttaccctc	cctgggccta	aattctacta	ctcacaatat	gggtaataata
9301	atctctactt	cagacctgag	aaaatttaatt	aagctagaac	ctctggcaca	cagacataaaa
9361	agtctgcaat	caatagccat	tcctttctcc	ttcccaaaag	tgcagtaact	gctgccactt
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9481	tgcggtgtcc	ttgaggctgt	cggggaccca	ctcaaaccct	tgtcccagga	cagaaggcct
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10021	aattagattg	gaagtatctt	aaagacagga	actgagagct	atgtgcttgc	atgtactacca
10081	accatgcaca	gtactgggaa	tgtagaagca	tgtgatagat	acattgcttg	actgaactat
10141	catgtcatcc	tcagcaaaact	aatgaaagct	tcacagttga	gaggtgcttg	gaacgttcta
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11161	tgggtgaagac	ttttcaggga	cttattatgc	aaagctgcct	aagcaagaca	gaatttatat
11221	tgaacctggc	catgatthct	gagccgcac	tgggtgttct	gatgacatac	acatctcgag
11281	gttgaagtca	aggagctgcc	aaggacaaga	gactggtggc	aggataaaaag	cagtgtgatt
11341	ccttccagta	aataatgggtg	gggtggcggg	ggaggtggga	aggggacgct	ccggggagga

## FIGURE 3-D

11401	agaggaccgt	agcttttctt	gtacccaagg	tttgcccttc	aaatggcatc	cagacgtgac
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11521	ggagaagcct	gctttatcta	gggtgaatca	tacctagaaa	gaaaacatgc	atccgtcaca
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11641	gaaactctca	ctatgagctg	ggcactcgga	tgttgccctcc	tgagtgtgat	cgcttataga
11701	agcagactat	tgattagaga	aaattcttag	acaaacagat	ccccagccct	catctttgcc
11761	actggaatgc	aaaggggtgct	gccctcccca	gtaaaggga	tatcggtctg	gtattttaaca
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12421	gcagtgcagcc	gagattgcac	cactgcactc	cagcctgggc	gacagagcga	gactccatct
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13621	gcacctgctg	gcattgggatt	tgtggctctg	acctcgcttg	ggggcctctg	ccctcctgtc
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13741	agcccttcta	agggacatcc	agccaaacaa	agaagcactg	agtctcattt	cacccgcgcg
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13921	atgtccccaa	acttaagttg	cctgggtggtg	gaggaagtaa	aaatacactg	ggaaccaaga
13981	tgactgaaac	tgaaatcttg	agtgcaccct	agaaatgcct	aaatctgccc	tcaacacctc
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14761	cccgctctct	acaaaaaaat	aaaaaataaa	aaaatgtttt	aatgaagaag	agacaccttg
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15061	aggatctatg	tggccttggt	aatacattac	agtcttgcca	gaaccttact	cttggccact
15121	gcactgtcag	cctcttacaa	gggcgccatt	acccctcac	aatgagtttt	gcctccagaa
15181	ctagaataac	ctgaacactt	cctttcttgg	aggcactaga	acacttcctt	tcttggagggt

## FIGURE 3-E

15241	ttctatcagc	atcaccaact	tgctagctaa	tcttagctat	ttcttttctt	tgtgcctcag
15301	tatcccaaac	tgccaaatag	cccagaaata	aaccttctta	tcacagagcc	acctctcagt
15361	aactcaaaaa	aagttaatat	ggggcttcct	gaaaatatgc	catcagagaa	atacaaaatg
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16261	cctggttttt	aacataagcc	ttgaataatg	aaaagcctcc	accctcagaa	tacaaaataa
16321	tagaatagga	aacctaaag	tcacacagct	taagcagata	gtttttacaat	tatctcagct
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16441	cacctaccct	atttaataat	tattgttaac	tacagcaagc	aaaactcata	gctgaaaatt
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16921	aatagggaaa	agcgggtctg	cccctgttag	gctgatgtgg	gaatcaagag	acctggattc
16981	cagattggag	ttggaactta	gtcacttttg	gtttttggca	aatctctcaa	gccctctggg
17041	cccaggtctc	ccacgtcaaa	tggagagatc	gtcttcacat	attccaaatg	atggaacacg
17101	ggcagagcca	aattaaaggg	tggggcagtc	caaccacgtg	gcaccggggc	tccagctctc
17161	aatcacacta	agtcattaSc	aggaacatag	aaaggtttac	tagtgtcact	caggcagaga
17221	actttgagaa	ataggacctg	gctttcatgg	aatagtccag	ttcgcatcaa	ggtcccactg
17281	taatgattat	tacacttttc	cctctcaaaa	gcgcctttgc	ttggctgata	aatgataaag
17341	tcacctactt	aataagctgt	ttgtggtggg	agtgaagtg	gacacgtggc	caaagccacg
17401	gacagtaatg	gcaatacatg	ggcttctaag	gaagacaagt	tcagtttggg	caagagggtg
17461	ggtgcaggtc	cggggccaga	actgagctgc	taaggacaag	agaggagagg	ctgcctctgg
17521	tggcccggtc	tctccatttg	ccatgcacac	agcctttgcc	tcttctttta	tttgtcaaat
17581	atttagagaa	tattcgccaa	agtgtgagct	ccccaggagg	cccacagggtg	ctggagagaa
17641	gagagggctt	tggagagtac	tgtaaggtag	aagaaaccta	ccaacagggtg	cctaactgcc
17701	tggccatgct	aagcgctga	gccctgggac	agggtagtat	cccagccctt	cacagtgcct
17761	gacctgacg	ggcatgcact	tggttaagtgt	tcattctggg	gacctggaac	aagcgaagct
17821	caagccctcc	ttctgttctt	ggaaaactcc	tcttccccat	ggcagctgca	tctcgaccac
17881	caatcctact	ggaccacagg	atgcaggagg	actacactgt	gtcctggatc	tcgtcattac
17941	aagagcagga	ggtgagcact	gagaaagatc	cagaagaact	catgcaagca	gaggctgtgg
18001	tctgtgggga	ggagggccgg	gcagggcagc	ggaccagagg	aagaagcaac	aaagaaggaa
18061	ggggaagagg	aggaggagga	ggaggggggc	cgcagagtca	ctgtgggtgg	aggagagaca
18121	ccgccagcac	atgccccaca	gccatcaata	tctcttcgga	ggacagatta	tctggggaa
18181	ttatgctctc	taataattac	cttgacagag	gttccactta	tcttaccaga	ggaatctgcc
18241	agttgccaga	cacacaggat	tctagtcaat	tccatccaca	ctgccctccc	cctctgccct
18301	cctccccacc	tccctggctc	ctgacttctg	acctctgaat	tctaaccctt	ctttgcctct
18361	ccagtctagg	gggaggttga	tggtggaagg	gtcacaacaa	cttttaacag	atgtaaaggc
18421	caacaaaggg	gttggtgggt	tgtcccttat	cagtagatat	gagagttaac	gtcccaaagt
18481	tgaggccagg	cctgaggaag	tataggctct	tgccaaagac	agtgtgtgaa	gggccaagca
18541	atgctttggg	gcagactgac	Wtgattttt	ttgtcttcac	ctgatgccat	cagagctggg
18601	taggattaat	tttatcttct	agtcttcaca	tccctcctca	aagccttctc	atccccaStc
18661	cagccctcca	gtgaggcctc	cctccaataa	tggYgtggct	acttattcga	aaaccatcac
18721	gtgttgcttt	gggttgctgt	ggtttcttta	aacgcacggt	gcagtcctgg	ctgtgagctc
18781	ctggagaaca	tgggtactgc	atccgtactg	aatcaggact	acctgagcaa	cagtaacaac
18841	atccagatgg	ccctgacRgt	ggcggggaca	gtgccctccc	tgcttagaaa	caggaaccac
18901	atttcatctc	cacaacaacc	ctatgaaaga	gatgctacta	ctaccctcca	ttatacagct
18961	gaggacctgg	gagctcagac	agcttcagtc	acaggcccac	ggtcacttgg	tcagtggcca
19021	agtcaggatt	tgaaccagg	ggtcttgttt	cagagtctgg	gctcttaacc	actccacacc

## FIGURE 3-F

19081	acgctgcctc	tgtaggagag	gtttgctgac	tgattcggac	atthttgtgtt	gtatctatcc
19141	gcttatattaa	gtcatccttt	tctaaaaataa	taattttttt	tgagacatgg	tctcgctctg
19201	tcactcaggc	tgtgcaggag	ctctgtcact	caggagtgc	gtggcatggc	tcactgcagc
19261	ctcgatcttc	agagctcaag	caattcacct	acttagctac	cccagtagct	aggactacag
19321	gcatgtgcc	ccattcccag	ctaatttttt	tttctttttt	taagagagat	cgtgtctcac
19381	tttgttgccc	aggctggct	caaactcctg	gactcaagt	atccacctgc	ctcagcttcc
19441	caaagtgc	ctgggattac	aggcatgagc	ctgggtgcac	ctgggtggt	gtcctcctc
19501	cttaggactc	cactcactgc	tccctcctca	gggggcctcc	cccaaactcc	ttagctctgg
19561	cactcattct	ttttccatca	ctctggcagc	atgccaaacta	tcaaaaatta	ttttataggc
19621	taggtgtggg	tggctcatgc	ctgtaatccc	agcacttttg	gaggccaagg	caggcagatt
19681	gcttgagccc	aggagttcaa	gaccagcctg	ggcaacatag	tgagacctct	tcctacttta
19741	aaattaatta	attggccagg	cacaatggct	catgcctgta	atcctagcac	tttgggaggc
19801	cgagatggga	ggactgcttg	agaccaggaa	ctcgagacca	gcctgggtcaa	caaagcgaga
19861	ccccatctct	taaaaaataa	taataaataa	aaaataatta	attaatgtat	atgtttat
19921	actacctgct	tttctcaata	gatataaaaag	cttctctggga	gaaagactgg	tctaatttgt
19981	tcacccctct	atcaccagt	cctaaagctg	gtccctagca	tatagtaggc	actatataaa
20041	tatgagtgg	atgaatgaat	tgtctgattg	cccactgag	cattccataa	tacatgatgg
20101	ctacttaatt	ggacacttta	ttttatgcaa	actcatctat	ctgttcttta	tttattagac
20161	tttacagtgt	accaggcacc	ttgctgagta	ggttaggatt	tcactgtacc	ctgatatgag
20221	gtagagaata	ttgtctttat	cattctcatg	ttacagatga	ggaaactgag	actcagaggt
20281	tacacagctt	gcccagacc	atacagaat	agggttaagac	ttaaccacca	ttctgtcagt
20341	ccccctgagt	ccatgatatt	agcattctg	cctcattgcc	tctggctggg	ttcccctcagt
20401	aacatgattc	tctttacccc	tgaacctcta	aaatgtcccc	agccttactt	ctccccctc
20461	aagagcccca	tcgctctttt	ctctggcctc	tgtgtgctgg	ctctcctcca	ttggtccctc
20521	cagattctct	ctctgccatt	cttttcctg	ctgggtgctg	cggaagtctg	tcctgtatgg
20581	tcagccattt	gcctcttcc	ctctgctct	gggtggtctg	gtcaatggca	ggtgcgcaga
20641	gagggaagag	agacagggga	tttctctcc	ccgccccttc	ctgctgtgga	gtgtctgcat
20701	ctgcccactg	aaggtcacag	ctcctgtggg	ccagccctct	tcatacagct	acctctgcaa
20761	tctggtgacc	ttcccactc	ccccgacct	gccctaggct	gctgcactag	ccccccacca
20821	tgtgagtccc	tgcccgcagt	tttgaaacta	gacatgttac	taaacactcc	tcagtttact
20881	tcgtgtggag	ctgctgcttt	gctggaaccc	tgctctcgg	acatatgagt	gctacatggc
20941	ctctgcccct	ccccagggtc	ccccacct	gccgctgccc	cctggctact	gcagctgcct
21001	caccaggccc	ttctttgctg	ccagggtttg	ttctctgtct	ccaagacct	taataaatg
21061	ttgatttgct	ggcttgaagg	tttgccctgg	cagccccacc	agggagagca	gtgccctggg
21121	gagcccagca	agcccacagc	aagctgtcct	cccaagacta	ggagaaagca	gagagcatcg
21181	ggtccaatgc	agggttcccc	tatgctcgga	gcttccccct	gtgcgggggtg	ttaagggacc
21241	cctcagatga	tgtcctgggtg	cctcaaaaca	agccgccatc	acagcttcaa	aatcacaata
21301	tcatttggtg	agcaactact	atgtggcagg	ttctgggttg	ccatttgcat	acattcactt
21361	tcagtgttaa	agacgagaaa	aacaagtcca	cagaggttaa	ggaatttaac	caaaacctca
21421	aaactactaa	gtggatgaac	tggaaattaga	tcccagggtca	gccccaaatct	ataaggccctt
21481	aattccccac	cagtacatgc	tgctcactga	ccgatccctt	tgaatgacag	gaggccaca
21541	gactcgaacc	tagtccaggc	aggcagctca	gagatgccag	ccacccatgg	ctgggaggag
21601	atcagggtgga	gcaggatgac	agttaggata	aagggcacag	agggctccat	gctgcctaga
21661	gtcactttgt	ccaaggacca	tggcacagtt	tggccatagt	gactgctgag	cagccagggg
21721	gctggaacat	gccccccacc	cccgccccca	accccgaccc	actgctcctt	cctgcagagc
21781	cagccaggag	ccatcactcg	tccttgggca	cacaccagca	tttcaagaaa	acaagcctgc
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21901	gagggacagg	gtgacacaaa	gagggggaag	gcctcctgcc	gctggacctg	gagccgactg
21961	tgcttcccta	agtcctttct	gcagccaaaa	ggcacattcc	ctgagaacac	cgctcaagat
22021	ccaaaggcct	tcgcttttta	tttttttagga	agcaatggca	aaaaaagaaa	agaaaaaaag
22081	aaagaaaaga	aaagaaaaag	aaatccacat	ttctagtgtt	gggagcgatt	cttgaggcca
22141	aacacactct	cttgacacaca	cacaccccac	agcgcttccc	ccacacagcc	caaaatagtc
22201	cacaccatgg	actcctggag	aaccgggtc	agcacagcct	cccagccttg	gtccacatga
22261	ctgctggcca	gctctcagtc	cccagggtaa	caaagtactc	caaggacccg	cagtagcagc
22321	gcctgtcctc	acagaccatt	tcacccctcc	cagcgaagtc	ccatctgctg	tgtctcgatg
22381	gagccaggtc	cagttagcag	aggccacttc	caatgaccca	gtgtggccca	aatctccaga
22441	gctgacctga	acctctctcc	ctcaaccctc	ccaaatctta	gattgctgct	gctgcttctc
22501	caggggaatg	gctcccacaa	cattttatag	actgcaagga	aaatatccag	aactgagacc
22561	gttcttcaaa	ataataat	aaaaaaaaaa	aacactgctg	aaacacagaa	ctgggtgtta
22621	tcttataaat	tctgcacaaa	tagaatttga	atgctctcac	tccaatcaaa	atcattctcc
22681	gtccctccct	ttaaacactg	aaagttcaat	tccccctaaa	gacaggattg	caaacatgat
22741	taggtccaat	taatttatgg	agaaactcag	aatgaaagga	gagaaatcaa	tagaactgcc
22801	ttgttctgat	cactaccgca	aatgaagtaa	taatttgaag	gagatctgga	aagaaaggaa
22861	acccaaagtg	tcacaccgca	gccattggcc	atttaacaag	gcagcattgc	cccatgtgga

## FIGURE 3-G

22921	ctggctgggt	ggagaagacc	actcaagctt	acaagacact	cctggggaca	gaggggaggg
22981	agagacagct	gaggtcactt	gctttctctt	cattgtacag	catgaggctc	actgggtggt
23041	aattctcctc	tttctcacia	aagcaagacg	taaaagaaag	taaaaggcaa	aaagcatcca
23101	cacaagctgc	cagtctaata	aggacactgg	taatctccag	gcaggccaag	gcatataggg
23161	ctccccctgc	agcttcatgc	taagtttatc	tccatcctca	cactctacct	ccatctctct
23221	tccatatcca	ggaaggaaaa	aaggaaatta	acaagccggc	atccaacatc	catcctgaat
23281	caccagctgg	gccatgtaga	gcatccaaag	atgggggtgg	gaagccccag	gggagagaga
23341	gacattgaca	gatcacctgc	cccacctctc	acttgccctg	agctcccttg	catagatgat
23401	gctggcaaat	tcaacgtgat	tttcattgga	cctgcccgag	agtccagatg	tgggagccta
23461	ataacaaata	acaatgccag	ctccatgtga	tccttgacc	ttcaagagaa	aatgccttgc
23521	tggccagctg	ggttctctgg	ccaccctcca	gccaccttgc	ctgcttctgg	atggagggtc
23581	gtgaagctgc	tcctggccta	tccaaatggc	cagtaaacad	taacattcat	ccagtcaggc
23641	aacatccatg	gagtgcctat	tccatgccat	gctgccccat	gtgggaggca	gcaaagcgct
23701	tcagtgaag	gctggggcac	tggcatgagg	acaccaggtt	tgagtcccag	ctccttgctt
23761	acttgctgtc	tgagctgttg	aactctgtga	gcttcactac	cctcagctgc	aaaatgggta
23821	tgataataag	acccttctca	tggcttctac	gacaagaaca	aatgagggtg	ctcactatg
23881	ggtgatcagt	aaatattagt	ggttattacc	acaatgtggg	gtcctaccct	ccactcattg
23941	ccaccaccag	tgccagaaaa	agccagctca	tgagttaact	cccaggcagt	attatccact
24001	ccaggggcct	ctctgtccac	acagatgagc	agaagcagaa	tgcatgaaaa	aataaaatag
24061	ctcaatgcca	ttgctacaga	ttgccccacc	accaccatct	caccagtcag	cttcaagcca
24121	gcggggctcag	cagtcagaag	cacagccaag	agtgtgggga	tgattccgtg	acaaaccatc
24181	ccagcagcga	gaaacctatc	tcacagcaca	catcctccca	gaagtgggtc	aagggcaccc
24241	attgcctttg	tttaaaggca	ctgggtcaca	aaggaggagg	agccttagca	ggttggaaact
24301	ttgggatatt	ccacaggaca	ggtagaaggg	tgctgtgttg	gttttctatt	gctgctgaga
24361	caaattacta	caaactttgt	agtttatgaa	aacacaaatg	tacgatttta	cgttcttaga
24421	ggtcagaaat	ccaaaacgag	tcctaaggct	aaaaatccag	gcatcagcag	ggctgtattc
24481	cttttggaag	ctctaaggga	cgagtttctt	ccttgacttt	tccagtttcc	agcagctggt
24541	ggcctcttcc	tcccatgtgt	cacttctacc	tccacttcca	aYgtcatatc	tccagctctg
24601	actctgaccg	tcctgtctcc	ctcttgcaag	gacccttggt	attacactgg	actcaccac
24661	ataagccagg	ataatctcct	caYctcaaag	tccttaactt	aatcacacct	gcaaaatccc
24721	tcataacctg	taaggtaaca	tattcatagg	ttccaaggat	taggacRtgg	acatctttgg
24781	gggtaaggtc	acgcttctat	ctaccaaagg	cgtgttctgc	tgctgtgcga	aggtagactt
24841	gaataccgtc	aaagcaatgg	tgaagaattg	aaagaaacgc	agttatgtcc	taagcccagg
24901	aatattgaag	ctgtcctctt	tttgacaaaa	aaaaaaaaaa	aaaaatatat	atatatatat
24961	atatataaag	cagatggtgc	ctaagagcat	aggatttgga	accacatcgc	tctgggttca
25021	aatctaagct	tcaccaccag	tcccagctga	agctattcaa	gaccagaagc	tcactctgtg
25081	gaacttccat	tttccaaca	ttgtagggtt	gatgtatcct	aaggaataaa	gaacaaaatg
25141	cacgcagaat	ctttcacacc	atgtctggca	cacagtgaat	gcttagtaaa	tggaactaa
25201	gaaattgctc	ggtactgtta	ttctattagt	ttggttctat	cagacccagt	cactaaataa
25261	accagtttga	cgtgaagtac	ttggctatca	gcaaatacta	ccaggccctg	tcaagtccca
25321	ggaatcagag	gggctgtttg	gccaatgcag	actgaccctt	tcagtctgac	gtcagggagc
25381	cccagcagag	acaaccaaag	atctagagac	atgatcaaaa	tttccctgtc	aggacatggt
25441	ccagaaccat	ggatctcagt	ttactttccg	cagaaagaag	aagaaaaggt	gaagcccgca
25501	cacttctctc	ttccacaaac	tcaggcccca	ttcccttgta	cgtctttctc	ttataaacia
25561	ttgcacttta	ttttcaattg	tggtgtgata	aatttgagct	atagcttaca	gtcaacaatt
25621	tctatcacaa	atctttctgc	cttccaattc	tgtgtatgta	caaactgagg	ctaggaccaa
25681	aggaacgaag	actttatctt	acatgaatca	tttgattcca	ttactgaaat	ctctcagggtg
25741	aagttaaaat	atatatacac	tgggtctata	ttagaatata	tgagacttga	atltgatctg
25801	ctaattagct	gggtgacttt	aagaaagtat	gtaacttatc	tgagcatccc	tttccccatc
25861	tataaaagga	ggcagaggcc	agggtgcagt	gctcatgcct	gtaattccag	aaggcggagg
25921	caggcagatc	acttgagctc	aggagtgtga	gaccagcctg	gacaacatgg	cagaacccca
25981	tctctaccaa	aaatacaaaa	aattagccag	gcatagtggc	atgggcctgt	ggtcccagct
26041	actcaggagg	ctgaggtgga	agaatcactt	gagcccggga	ggcggagggt	acaataagcc
26101	aagatcatgc	cactgcactc	cagcctgggt	tacagagtga	gatttattta	tcactaaata
26161	aataaataaa	taaatggaga	caggaaaatc	tgcctcttaa	gactacagca	tgggttaaat
26221	agcatgtaaa	acctttggca	tgttggattt	ctagagcatg	tactatgtct	cagactctac
26281	aataaacatt	gtatgtgcat	taattcattg	aatcctaata	acaactctat	gaggtgctgt
26341	ttattattcc	tattttccta	gaaagtagac	ctcttggggc	cagggatagt	ttttttcatc
26401	ttcaactccc	aactcaataa	ccctgtgagt	ggtaaatgca	agctacaact	atcattgtcg
26461	atagttgagt	ctggaatcac	cgcagacgat	tttataaaga	tggaccccaa	gaggtaggga
26521	ggttttagaga	aaaggaggaa	ggagagtgtg	caggtcttcc	caatggggta	aggcgaggca
26581	tgaggaagtg	acaagaaatg	ccaagccagt	aagaagacag	gacgaagcat	cgacactgga
26641	tagaagacta	agtaaaacta	ccttcctgtg	gctaaggggt	ctactaggat	acactcattg
26701	acttgctttg	gccaacagaa	tacagtggaa	gtagattac	accagttcca	agctcaggcc



## FIGURE 3-H

26761	tcaagaggcc	ttgcaagcct	cccttctgct	ctccgggaac	cctgcctagt	tgcttagcat
26821	atgaatacgc	ttgggctagc	ctgctggaga	atgagcagac	acagaacaca	aacaagctat
26881	cctagatgaa	gctattcatc	taggacaagc	tgactgcaga	cacatagggt	aaccagccca
26941	aatcagaaga	accagctagc	tgagcccaaa	tcgaattgcc	gacccacgga	atagtaagca
27001	aaataaatgg	ttgctatttg	aagccattaa	gctttatggt	gttttggtat	gctgcaaaac
27061	taacagaggc	aggagtcaat	gtctcattca	tctttatatc	ttcaacagcc	aataaaagtc
27121	ctggcatgta	atagttacac	agtaaagcct	tcataaataa	agtattgaac	tgatatatca
27181	atacagctgt	gaataaataa	atgtcatatg	ctggaaaact	gaaatcatgt	aagatcgcat
27241	aattctattg	agatacttca	gcttaaagaa	tattttttaa	tggggttggt	tgctacctaa
27301	ttttaaaatc	cattttcttt	tttcttccta	gccaacatcc	ttttccacaa	agtttagtca
27361	aatagaaaaa	aaagtttcac	atgaacatac	aacgtaggat	gYgggtgatcg	aaaactagac
27421	tggttgctta	gagatccgag	ttctagactc	aactctccca	ataactggga	gaccttgcta
27481	attctcttaa	ttaccatttc	tacgtctata	aaatagatat	taaaaaatta	cccttccctg
27541	tcaacctcac	agggttggtg	tagcaaataa	gacagcatgg	gaaggctctg	agcacttttt
27601	accgtcaatg	attctacttc	cagccaggct	cagtggctct	tgccgtgtaat	cccagcactt
27661	tgggagtctg	aggtgggtgg	atcacctgag	gtcgggagtt	caagaccagc	ctggctaaaa
27721	cggtgaaacc	ctgtctccac	caaaaataca	aaagtagttg	ggtgtggtgg	caggcgccctg
27781	taatcccagc	tactcaggag	gctgaggcag	gagaattgat	tgaaccggg	aggtggaggt
27841	tgcaagtgcg	caggatcgca	ccacggcact	ctagccaggg	aagacagagc	tagccttcat
27901	ctcaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagattctac	ttcctctata	agcagaactt
27961	tactttttga	tggtttctag	tggttttata	atatatcctc	ttaagagccc	catttatcct
28021	tttctgtctc	tccttttaat	attctgtatc	ccagtagcca	tattttcaac	atacatatcat
28081	acatacatgt	atgaaaccaa	gataggaaat	ggttaaaatt	atccttgata	gtggagaaaa
28141	ctattgctcM	atccaaagag	agctggtatt	tctggcactg	aggattacat	gtgaccaagg
28201	tcagacatga	tacctgcaag	atgtatcctc	tagctccaga	gttcccatgg	agaactcggg
28261	gtccctagtt	ggctgcagca	ggggctgcca	gctgctaagg	atgcagccag	atcccttttc
28321	tttctcagag	acttctgccc	agtatgggaa	gtcagaagct	ccacactcca	agtatggctc
28381	ttccacaacc	tcagtctctg	ccttgggcca	agtcttgaga	tcagtgtagc	tgagctccga
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28561	aaagctcccc	aaacctttgg	aaagtcacagt	tctggagtaa	acatcagggt	tcctcatacc
28621	caagcatctc	aggagtgtgc	aggagcgagc	agaaggtagc	ctgtgtcctg	aggcagtgca
28681	ttctcccat	cccatgaatg	atggggctgg	acagaagaca	tcagggacag	caactcaaac
28741	cactgggcag	gtggggctga	atggatgggc	aacactggcc	gtgctcaggg	ctctgggtct
28801	tccttgacag	tgcaattgta	atacctccat	ccttccatca	acccatcctc	cctatgggtg
28861	acataggttg	tctgcctgcc	cagataccat	tctacctcct	tctagtaaca	atacctcat
28921	tttctacttc	tccctcacta	tcagtgtgtg	aaaatcaacc	ccactctacc	ctccaacttc
28981	agagacaggc	ttgtgactag	gcctggccaa	taagaaaacc	ggccatgttc	tagccagcca
29041	tggtgactca	cacctataat	cctagcactt	tgggaggctg	aggaaggagg	attatttgag
29101	gccaggaggt	caagaccagc	ctgggtaaca	tagtgagacc	ttgtctctac	aaaaattggc
29161	caggcatggt	gatgcacacc	tgtatgccca	gctactctag	aggctgaggt	aagaggatcg
29221	cttgagccca	gtgagccacg	atgacccac	agcactccaa	cctgggcaac	agagcaagat
29281	catatatgta	tatatatata	tatgagaaag	agaccacat	cccttagtga	tccgttcaag
29341	agtgatcagt	tcaagggtga	aaatgtggtc	tgaggcaggc	aaattagagt	caatcctgga
29401	acttctgggg	gaaagaggca	ctttctttct	cttagtatgg	aaaggcagat	aacaatatat
29461	acctgaagca	gctgggagcc	accatcaag	caggcctggt	tacaaaggat	gccaatgtaa
29521	agaaaagtgg	agtttagaga	tgaaggagag	atggaggag	tcaagaggac	cttgctgagc
29581	ccctagaccg	agtcacgagt	gaagaagata	cactcacgag	ctgttagtta	catgagccca
29641	cacattcctc	tgtgtgctta	agcactatga	gttgagtttc	ttgccatttg	caaccttaaa
29701	aagccctgcc	tgatgcacat	cccaccattt	gatgttacca	acagactcta	ataaggctga
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29821	aataaggatg	gttactgtg	gctgtcagat	gccacacatc	aaacctgaaa	ggaaattcta
29881	gccagggaat	gctacagatg	gcagctcacc	acggcccca	ccactcctta	ttgtctttgt
29941	caagcccatt	tcctcattta	ctttacctgc	ctggtccctt	taaatacata	agtttaccat
30001	cccttattag	atggataaat	agataaatgg	atggatggat	ggatggatgg	atggatggat
30061	ggatggatgg	acggacacat	ggatggatgc	atggatgcat	ggatggatgg	atggacacat
30121	ggatgcatgg	atgcttggat	ggatggatgg	atgcatggat	ggatggatgg	ttgcatggat
30181	ggatggatgc	acagatggat	gtatggatgc	atggatgcat	gcatgcatgg	atggatggat
30241	gtgtgcatga	atgaatgcat	gcatgcacag	atggatgcat	ggatgcacag	atggatgcat
30301	ggatggatgc	atggatgaac	ggatgcatgg	atggatgcat	gaatggacgg	atgcatggag
30361	gaatggatgg	atggatagat	gcattgggtg	atgcatggat	gggtgcatgg	gtggatgcat
30421	gagtggatgc	atgggtggat	gcagggtggg	atgcatagat	ggataggcag	acaagcaagc
30481	agttatgtag	ttgcaagttg	aacctacaca	caaataaggca	tgatacaact	aaagaattaa
30541	aacggcagcc	cactgcagtc	agggggccat	ctgacaatat	aggaaaggag	ataactatag

## FIGURE 3-I

30601	gcttacttct	gtatggtttt	gggtgtctgg	aataacggga	gatgactctc	tggttagcac
30661	tcaccctgta	gttgtgctcc	tccctctcaa	gccacagtgg	ttaacaccac	cttaccaata
30721	gtgcagtaca	aagagaagcc	agtctctggca	ttcacaggta	gctgtgaaaa	gctggcccta
30781	aaaggcagtc	tcgctcaatc	cccagcatct	acttggatct	gggcaggcag	ccacagaaac
30841	agaagaagct	acagaggatg	caggcactgg	gttttggtgt	ctggacatgg	aagaattgca
30901	ggccaatatc	cacaaatgta	tccgtgaggc	tctggctctg	aaacaaggat	gtgaggacct
30961	caggatggct	ggtgagggac	actaagtggc	tcaaagaact	gagaaaaaaa	taaaaacata
31021	gcagcaatag	agaccagagt	ccgagccagg	acaaggcctg	tccctcagcc	acctggctga
31081	aggcatcatc	atgacctcaa	ggaggtaact	ggtgagtcac	acagaaccac	actgtgcact
31141	cttcaccatg	gtttatatgc	tcacagtcca	ggcaattgct	tagaaaaactg	catatcgttc
31201	atgcccctat	gaatcacttt	cctccttttg	ttgtctttgt	gaagtcatca	caaagttctg
31261	agtgggaagaa	ttcttccagg	gactgccaaag	gagtgacact	gtagccaggt	gggttcagct
31321	ctcactttgc	tcaggatatg	ggtgtccagt	ggcgacagat	caggaaaaata	gccccatact
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31561	ctgccaaagag	gtaggaagaa	ctagattctt	agggacttat	ccttggggat	tgtaccacc
31621	cctgccaggc	atccaccttt	ggggtgactc	agagccaaga	aaacaaaggc	atgggataag
31681	ccatggaaaa	caaattcctg	ctgagtagca	aagagagtgg	caccaacaag	tggcaccatg
31741	tgagtgcaca	gagcaagcaa	atgctcacac	agggacagct	gggtgtgcag	ggccatcaca
31801	gtccccctta	ccccaccac	ctgaacacta	cgagacaaat	gggactcctg	gtttctgccc
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31921	gtacacaacc	tggagtcagg	agacctatgt	tctcacctg	ttctgttgcc	tcgggggccc
31981	tgaagcccat	cgctaagtgt	ttKgggctcc	agtttgctca	tctgtcaaga	gagaacctt
32041	cacacagctc	ctaagtgtctg	tgagtccctg	tctctcagac	tggctaattct	ccaagggcct
32101	gccagggtccc	acatgcatgc	tcttgagagt	cacatagata	tcaaagctca	aaattagctc
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32221	cacatgcccc	caacagccca	gaactgacac	atttttgata	gttcctgagt	acatggattt
32281	ccagccctgg	aaatgtttgt	tttaacttac	caggagaaaa	gaatttggat	tcttttttaa
32341	atatacacaa	agggaataca	tttgtatatt	ttcagataca	aagtggatgg	gaagcaaggc
32401	taaagactgt	tcttttccct	tagtctatgt	gagtgtctatt	cctcacgggtg	aattctccaa
32461	agaccatgaa	tggcagagat	ctttgatctc	ccttctagcc	tgtctcgatg	tgtaagctctg
32521	gacatgggca	gctatcacgc	caccttccag	aacctcagca	cttcaatgac	cacatcctgc
32581	catcatcacc	cccatggagg	tccaggggccc	ctgccccact	gcctacctct	ccactgtgic
32641	ccacctctcc	acctaccgcg	cccttgtcac	attgacagat	aaaatacagg	actcccagtt
32701	aaatgcaagt	gtcagatgga	gaacaaaata	tatttttagta	taacatgtgc	cttcctaggc
32761	agcaacaactg	aagcaggccc	cttccaaggga	tagaaaaagtc	ctcctctctt	cctaagtttg
32821	tgtccataga	atctcatcca	gtggcctttc	tgtcccctgg	cttcaaatga	aacctgccac
32881	tgctctctct	tcagggtgaa	gtgtgaagac	cgtggcttcc	aaggccaata	ggcatggagg
32941	tagtcatccc	attcagacgc	caatggttct	tagtcaaaaa	agctgcttat	ggctggagtc
33001	aaaaacatgt	ctaagcgtga	ctatcagccc	cagtgcagaa	gagtctgggg	agagggagaa
33061	acaagaaaca	gatattacca	caaacacact	caagggaat	ctcactacaa	aaaaaggagt
33121	tggtgcctgg	tgatggctgg	caatgggcca	tgaaaacct	gttctgattt	ttagatacaa
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33241	acttgaagat	ctttgacctg	cctaggtggg	caactggagt	ggaagctcca	caagggtatg
33301	aatgctgtct	tttgttttcc	tcactcttat	ggactagtcc	atctagtcca	ggactagcct
33361	cagagtgagc	atccgatgat	cgtaggaaga	ctgaatgaat	gcgtgaacac	atgaatgaat
33421	gcctacattc	tccaatatgt	cccagaaagt	gtcaagagct	ttgtaacgca	aaaggctctg
33481	aacaactcaa	ataagaaaca	caaacatgtg	cagtgaagg	gctaggcctg	gatggcctgt
33541	gaggtcattg	gcaatgtggt	gagcccttga	gcctgtcata	cacaggcaaa	taacttcaat
33601	gaaagaattt	taaacgctac	ctccaacacc	ctagctcagc	atctatggtt	gaagccacca
33661	tgcccagtca	tgggtataac	cccagaagg	aagggtgcag	agacgccaag	aaacaagaac
33721	ttggagagga	caatgaggac	caaatgactg	gggaaataag	ggatgagtgg	gtaggaatcc
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33841	cacacacaca	cacacacaca	cacacacaca	cacgcagaca	aagattcccc	ccttccagat
33901	ccacactcgc	tgccctctgc	cagccccatc	ccatcatcct	gtgacagtgc	ttctttgtgg
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34081	aaaaacaaca	acaatccaca	aaatctctaa	cgcagataaa	gactgaaagc	tgctaagcc
34141	agtgcccttt	cacattcata	tgagggtggg	attttttctt	tttcacatga	ttatttaagc
34201	acaaggcctt	ctttcatgga	attgatagag	tattggggga	aggggctgag	gtgtggggtt
34261	tgtttgtggt	tttgtttttt	ttcccaataa	ggaggcagaa	agtagaggag	gtcgtgagca
34321	cgagaaagtg	ccactgctag	ggtatgacac	atagagccct	caaaggtagt	tgaatctgat
34381	tcaactgagt	gaaatcattt	cattaataga	gattccttct	cactactcct	gtgaaactac

## FIGURE 3-J

34441	tttccagggg	cgttggtata	aaataggctg	agtctctggg	ggtgtcatgg	aagacagaga
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34561	tattcaagag	gtatgtgttc	cctatctgcc	acatgctagg	catcaagcta	gcaacagaag
34621	gaaaaaacia	agcagtagtc	actttcctct	cggagcttca	gcttcctact	gtgtaaaacg
34681	agggaggtccc	acagccctgg	acacacacac	acacacaaac	acacagacac	acacacactt
34741	ctaaatacaa	ggtgcagccc	cagcctccca	caggacctgc	ctatacaggc	catgactgaa
34801	gaaggggggaa	acctgcagct	tctaaaaactg	cacagaaggc	tgggcacagt	ggctcacacc
34861	tgtaatccca	gcactttggg	agggcgaggt	gggcagatca	cctgagggtcg	ggagtttgag
34921	accagcctga	ccaacatgga	gaaaccctgt	ctctactaaa	aatacaaaat	tagccgggca
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35041	cccaggaagc	agaggttgcg	gtgatctgag	atcacgccat	tgcactccag	cctgggcaac
35101	aagagtgaaa	ctctacctcc	aaaaaaaaaaa	aaactgcatg	gaagcccaaa	ccccaggggc
35161	aaatggaaca	gtcacagcat	gccatgcacg	cacagggtca	gagcaagagt	atggccaggc
35221	gcggtggctc	acacctgtaa	ttccagcact	ttgggaggcc	gaggtgggca	gatcacttca
35281	ggtcaggagt	tcaagaccag	cctggccaac	aaggtgaaat	cccgtctcta	ctaaaaatac
35341	aaaaattagt	tggacattgt	aatgggcgcc	tgtaatctca	gctacttggg	aggcctgggt
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35461	ctctacctgg	gtgacagagc	aagactctgt	ctcaaaaata	aataaataaa	ataacaaagg
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35701	accttctctg	tgaacataaa	cagagggtct	tcgagacaat	tccttttaaat	catcaaaagg
35761	cctatctagc	aatgtctaac	tccattcctt	aacgtttact	gaaaagctcc	tcaaatacat
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36721	accttgggta	ctgcagagcc	caccaccagt	ccaccctgaa	acctcaaagc	aggccacag
36781	ggtagatata	tagggacctt	gaagcaaaca	tttcacctat	tcaggacaca	aactaaataa
36841	gcttgtgtcg	cttagtaatt	ctgtaattgc	ttacttatgc	ccttgggcaa	actccttaaa
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36961	attgtgaaga	tttgatgaat	taacactagg	aaatgtgcct	agcactgttt	aatatgtggc
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37081	atgatactga	ctccagcata	actctgatac	tgcccctttg	actcggctag	ttttgacaga
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37261	agaggatgat	aggaggatct	cttgaggcca	gttttttaaca	accaactctc	cagYgaacta
37321	atccattcct	gccagaacaa	atccagtcct	acaagagtat	gaatattaga	gctacaagg
37381	accgccaaaga	gacagggttt	tgctttgttg	accaagacca	gcctggtcaa	cataggaaga
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37621	acaacaacaa	caacaacaag	taatgtgaga	aacaaatgcc	ctccctccct	ccctgagggt
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37741	gtgggagtta	ggaatggggt	agaggtcagg	gatggactga	gaactaggaa	agggagagat
37801	caaagatgga	ctggagggtc	ggaagcagga	agagagaaat	ggagtaaggg	tcagggtctgg
37861	agaccagcag	aaccgagggt	aaatgtagga	ccatctgatg	gatggtcaca	ttaataactt
37921	taatttttca	ccaccagctc	ccactacagc	atccaaacat	cctgctctga	aggagtggga
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38041	tttcgaactc	aaatagtaag	agtcactttg	ctgtccaaat	cccaccagtc	cttgggtgtaa
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38161	gcaggacgta	aaatgcctgg	cgaactttgc	attccaagga	caggagtctt	ccaaattaaa
38221	attttaatag	tgtgtgaaaa	tagttcgcca	tttactctta	ggatgaggta	gtgttttagaa

## FIGURE 3-K

38281	agtcagcctg	gaaatccagg	ccaacatttt	cagggatgcc	tcctattctg	ggaggagaaa
38341	aaccagcttg	ttgcttccct	ccagtagcac	aaagcagcag	ggaaccggaa	agagagaggg
38401	gtctgaacag	cttcttctac	caggaaacca	gccaaagggtc	tccgggcatg	taaggacatc
38461	tgttttcaga	agctatgggt	tggattttgg	cattcttagg	agtctaggag	caatcctact
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38701	agttccctgg	agagttgggt	gttaaaacac	cagggccccc	ttgggtttcc	ccatcttcac
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39601	gcgtctgctt	cttggggtta	tttagagaaa	tacatgagaa	aaaggatgga	aagcacttag
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40621	gctgtagagc	aaccacgggtg	ccggcatctg	cttctggtga	ggcttcagga	agctacaatc
40681	atggcggaag	gtgaaaagga	gagcagcggt	gtcacatggt	gagagcaaga	ccaaggcagc
40741	aagggtggga	agtcccagac	tttcaaacaa	ccagatcttg	tgtgaactaa	ctgggtgaga
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40861	taataatctc	ccaccaggcc	tcacctccaa	cattgggaat	cacatttcag	catgagcttt
40921	gcaggggaca	aacattcaaa	tcatatcaat	tagtgtcctt	ataaaaaagg	gaagtttgcc
40981	ccatgaagga	agagattggg	gtgatgtgcc	tacaaagcaa	ggaatgccaa	agataagact
41041	gccagccaag	cccagaagc	cagcagagag	gcctggaaca	gattcttcct	cacagccctc
41101	agaagggaacc	aaccttgcca	acaccttgat	cttggacttt	tagcctccag	actatgataa
41161	aataaatttc	tgtgaagtta	cccagtcgtg	ggcacttaca	gccaccctaa	caaactaata
41221	caccaggaac	cttactatcc	ttcaccacac	cgatcaccaa	tgaggcaagt	cagaaatttc
41281	caaaaagtct	ccacatttat	ttttctaccc	aataaaccag	acatgataga	ggaattcaaa
41341	tataaacaag	acataggccc	tgccctccag	agctcctagg	cacacaaatg	ttagttcaat
41401	tacactttgc	aaaacacttt	cacatatatt	gtctcttgta	gatccccca	tctcacattg
41461	agatgggaag	ggcaagctgt	aggttactcc	cattctgcag	atgagaacac	tgagttttgg
41521	agagttgggtg	gcttgctcca	gggcaccag	ccctggagcg	gcagagaggg	agctgcagta
41581	agtgcttgag	tccaagacaa	cattggtgtg	gctgttttct	ttcagcctgt	cttgctgcct
41641	ctcctgccgt	cttggaaact	cttgccctct	tcaaacagaa	gcccctgcac	tgaggtctct
41701	tgtatctaag	atctgcccc	agttagctcc	aggaggcaag	gagggaggcc	agccatgtta
41761	aagaccaagt	taaagaccaa	agtggctgca	gcaccatgag	ataccagtgt	agtccccac
41821	cttctctcat	agtcctttac	cctgaggctg	ctcccaccag	ccccgcttac	ctttttccca
41881	tccccacccc	cggccccag	ctctcccat	cccacaggca	gggcagggtc	ctggtaacag
41941	cattgcccag	tgttgtcaaa	atagcagaga	gctggaaaga	attccagaat	gaaatctatg
42001	tgctcttgca	gcctcccaac	tgactgccac	tgtggcagct	aaaccgccta	atgtgctaag
42061	cgttttctg	cagggccagg	aggcagggtt	ggtattttg	gagctgggag	gggcttggag

## FIGURE 3-L

42121	gcaacatcct	cggcaagtct	gggaaggagg	tggaggcagg	gaggcaaagg	gaaccgaccc
42181	agaacacttc	ccatgacgtc	accgagagcc	acctgagctg	cacctcagga	ttcctgaaac
42241	actgctggcg	gagcggagag	tacggagagt	acgttgggcc	cggtgggcag	ggctcagcag
42301	ggcatggagg	ctttgtagct	aggcctgggg	ggagagggcg	ctctagtatg	ccacttgtca
42361	tgtacacttt	ttctgctgac	acagagcagt	gtgcaatgcy	tccggggaggc	tgggcagccc
42421	agggtcggcc	caagctctgt	ttgcctgagt	tggcagtggc	agggcccatg	gtgaccaaac
42481	aaaagacggg	aagccaaacg	cccagaggct	ggcgggtgag	gctccctgag	agggtcttga
42541	ggatacaggc	actggcgaag	aagggccagg	ggctcatagg	gataggaatg	ggKttggggg
42601	caatgggaac	ttgcaggcag	ggtcccctct	ggtttcccag	acacaccgca	tgcctcttgg
42661	gcatcagcct	ctccacactg	tccttgcttt	tccgggggctc	cttcgaaaaat	gcttcaaacc
42721	atgacaccag	gaaggggagc	aaaccaccaa	atctgagatc	caaacaagggt	cccagcattc
42781	ctttgtccct	gatgggctYg	gtcccaaatt	ctgggagaaa	ccagagggtt	ttgagagagt
42841	caggagaggg	gttcaggggg	caaaaaatag	ggctgggtgaa	gaattccttc	cgggagccgt
42901	ctggtagcag	ggagtaccgt	gggtggcaag	gccgtgctgc	tcaggtgagg	ggacatggtg
42961	tcattctggg	aacagatgag	ccagtaaaac	cctgacagga	ttcaatctgg	aggaaaaaaa
43021	tcccagctga	taggaactgc	tgagcgcttg	cagcttttaa	agccccctta	gcaaaaggat
43081	ctgcaaaagY	tttgcaaaact	ctgaccacgc	agccagtcag	ccacttccca	gcccacagca
43141	acgagagagt	ttttgctaca	tcagaacaaa	cccactcaca	aatatctcat	cctggcctcc
43201	cccccgccac	ccattccttt	tgggtctgtg	tgcttcgctt	cctcagaaat	gacattttgt
43261	cagagcagtg	agagatagtg	ttgcaggggc	caaaggcagc	cagggggctg	gactgcaact
43321	aggctcccc	gctcactagc	ggctgacccc	aggcagggca	cttaaccttt	atgaatctca
43381	ttttttaatc	tgcaaaaatg	caataatgta	agctgctctt	acagagttgg	tcaggagact
43441	aaatgagatg	atggatgctg	gggctcgagc	acagagatga	ggggctccat	gacggctggg
43501	ccccctcctt	cccaccttcc	tctccagggc	cctccggcac	cataatcagt	gtgggaagga
43561	tgcaagaaca	tgggagttta	attcagagggt	tggcgaggca	aaggcatact	ttaatagaat
43621	tctctctcgc	ccagtacatg	gtttcttgct	caccccaccc	acctttcccc	atctctaccg
43681	gctgatagtc	tctcagctag	tgactccttt	cttgtttagc	agggccactt	tttttaaaaa
43741	ctccagacgg	gtaccctcca	tgttgccaggc	gacgtggccc	tggatcactc	aactgactgt
43801	catttgaatg	gtgccccag	agtgaggcaa	tgggtgcagcc	ctcctaaggc	ccttctgag
43861	gtccccctct	tcatagaagat	gattctgagg	cttcccaggc	cttcaccctt	ctttgaaagc
43921	ccatagcagt	tcatatgcac	ttctcttcta	tgttcaccaa	actctgcctt	catcatactt
43981	gggggatgtg	tgtgagagcg	agagagagag	tccagcaggg	attagatctg	acttttatat
44041	tctctacagt	gcctggcaca	atgctaacac	atltgatgag	gccagaatta	ccctgatacc
44101	aaaaccagtt	aaagacatta	ccaaaaagaa	ctttttcaat	atlttaattc	ttacctcata
44161	ccctagataa	aaattaactt	gagcgggggtg	tgggttgctga	cacctgtaat	cccagcactt
44221	tgggaggctg	aagcagacgg	atctcttgag	accaggagtt	tgagaccagc	ctggccaaca
44281	aggtgaaacc	ccgtctctac	taaaaatata	aaaattagct	ggtcatgatg	cgagtgtgct
44341	gtaagcccag	ctacttggga	ggctgaggag	aactgcttaa	ccgggaaggc	agatgttgca
44401	gtgagccgag	atcgccgac	tgactccag	cctaggcgac	agagcgagac	tccgtctcca
44461	aaaaaaaaaa	aaaattaact	cgacatggat	cgtagagcta	aatggaagac	taaaactttc
44521	aaacttcaga	aagaaaaact	ggaagaaact	ttttctaacc	ttgggttaag	caaaaaattt
44581	cttaaatagg	acataaaatg	catgagtcgt	aaaggaaaaa	aattgataca	tttgacttca
44641	ccaacatttt	aatgtctac	tctttgaaag	gcactaatat	gaaaatgaaa	acacaagcta
44701	cagactgaga	gaaaatattt	gcaaaacata	tatctgataa	aggatgttta	gtcagaatat
44761	ataaagaact	cctaaaactc	aataagaaga	caaatgactc	catttctttt	aaggtaaaag
44821	aactgaacag	acatttcaca	aaagaaaaga	tacagatggc	caaaaagcac	atcaaaaaaa
44881	aaagggttcaa	cattattagt	tagcagggaa	atgcaattaa	aatcacaatg	agataccgtt
44941	aaacatctat	tataatggct	aaaatttttaa	aggctgacaa	tgccaagctc	tggcaaggat
45001	atagaataac	tacgactctt	acacactgcy	tgtgggaatg	ctaactggta	cagccacttt
45061	ggaaagcagt	ttggcaattt	cttttaaaagt	taaatataca	attatatattt	catttctccc
45121	agagatttgc	tcaaaagaaa	taaaaacata	tgtctacaca	aagacctata	aataggaata
45181	ttcatagcag	ctttctgcat	aatggccaaa	acttgggaac	acccaagtgc	tcactcagttg
45241	gtaaatgaat	aagcaagttg	ccatgcagcc	acacagtggg	acgcacccat	acatgcagta
45301	acatggataa	gtcttaaacg	catgggtatca	gttcctattg	ctactctaac	aaattactac
45361	aaactcagta	gcttaaaaaca	acacagattt	actgtcttac	agttctggag	gtcagaacgt
45421	ccgaaatcag	tctcactggg	ccagcatcaa	ggtcagtttc	cttatctttt	tcagctccta
45481	gaagccacct	gcattccttg	acccatggcc	ccttcctcca	aagccagttg	tgttgcctct
45541	tctatctaac	tgcttaaggg	aacaggactt	tatcaaggca	cagagccaca	gcaagtatgg
45601	gaacatata	agtagttcca	tatttccagg	gtgtgtaatg	taacatttcg	aagataagga
45661	aactgagatt	cagagagatc	caatatctta	cccaagggtcc	aggacacagt	gaaaatcatg
45721	ttcaacccta	aggcctctga	atccaaatcc	agagtccacg	tgagccctca	gacttccctg
45781	ccttgaccgt	ggatagtcac	gtccaccttg	tctcagagcc	ctgcactccc	accttgttac
45841	actgcaccag	cagctaagcc	tgtggagcca	ggcagaaccc	tgggcctccc	cacctcccca
45901	ccctgggacc	aacagattcc	cagctccagc	aggataacat	cataacctta	ataagattga

## FIGURE 3-M

45961	catttgcac	ctgttttata	ttcatcagca	ttcttacact	tacgttatgt	tatctggcct
46021	tctccatcgt	atgagtcctaa	tgggtgcagat	attctccacc	ccacattctc	caaccctcag
46081	aaagctgagg	tactttctta	tacagcaagt	gggtagaagc	caagatcaga	accttacc
46141	caacccaccc	cttgatacca	gaagagccta	ttgactcaga	acaaaactca	ggcaaacccc
46201	ccacctagct	gagcttcccc	tccttcatct	gcaggatgga	aaacagggta	atacctgccc
46261	tgcttatcct	gatacatcag	gcataaatgg	aaaaaaaaaa	aaggaagtag	tatgtaaaag
46321	cactttggaa	atgttataaat	gctatgcaaa	ttataaggaa	ctgttctgat	tatactctca
46381	agaaatgtca	caaattttct	ccaaaagtga	ataattgtca	ttacttttca	acttcatccc
46441	cttgaaaagc	cagtttctcc	tcctgtcatc	ttttatttct	ggttaaagca	gagatgttat
46501	actcaacatt	ccaactggaa	tatcaagatc	aatctttaat	tcctccttcc	agcttcaccc
46561	tttctgaaat	caagaacagg	caattctcta	ctccaccac	catctcatcc	tcagtttctc
46621	ttgccatctg	ccccctctg	aagctagaaa	tcaccagcaa	ccattttcat	tcctcatccc
46681	tcYggtctct	cctcagtcag	agccaacct	catgatgcaa	aagcaccact	ccaatcacct
46741	ctctcagagg	ctcacagccc	cggggggaca	gcgtccagg	gtcctccacg	ggctgcccc
46801	gtgaagctct	ccagcttgct	tcctcatgact	caccaaccca	ggtaagccta	aatggccctg
46861	tttcccaaaa	ctcaactctc	ttcccacttt	tatgtcccca	ctatatctgg	aactcccttt
46921	cccactat	aattagctat	gggggtagga	agaatcaaac	tagaccccca	gctcttacat
46981	caacctaaat	atattccaag	tgaatcaaag	aattgtgggt	aatggctggg	cacgggtggc
47041	cacacctgta	atcccagcac	tttaagaggc	caaggtgggt	ggatcacctg	aggtcagagg
47101	ttcgagacca	gcctggctgg	gtaacatggc	aaaaccccgt	ctcaactaaa	aaataataat
47161	aataatgcaa	aaattagcca	ggcatggtgg	cgcaagccgg	tagtcccagc	tacttaggag
47221	cgaagtcag	gagaattgct	tgaaccaccc	cagcagatgg	atgtttcagt	gagccaagat
47281	tgacaccattg	cactccagcc	tgggcaacag	agcaagacac	cacctcaca	caaaaaccac
47341	acacacacaa	agaattgagg	ttaaaaaaa	tccagattat	atagatgaat	atctatctga
47401	tagctgaatg	gggctggaat	ttctaggcta	catagcaatg	gagtaaatca	gaggagaata
47461	aaatgaataa	tagttaacat	ttactatttt	tcacttcttt	taactggata	tcctatattt
47521	aaaagttaaac	atacccttta	cttcatgttg	tacacaaaaa	ataacaaaa	ggatcacaga
47581	atgaaagaaa	tgctaaaatt	agaaaaattc	cagaagaagg	ccaagcacgg	tggcctgtaa
47641	tcccagcact	ttgggaggcc	aagggtgggca	gatcacttga	ggtcacgggt	ttgaaaccag
47701	cctggccaac	atggtgaaac	ccctattaaa	aatacaaaaa	ttagctgggc	atggtgggtac
47761	acacatgtaa	tcccagctat	tcaaatggct	gaggcacaag	aatcccttga	accaggaggt
47821	cagaagttgc	agtgaagcag	ctgcagcca	ctgcactcca	gcttgggcaa	cagagcgaga
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47941	ttggtgtagg	caaagattct	taggacacag	aaaataagaa	tcacaaaagg	gaaaaataac
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48121	gaattccaga	ccagcctggg	aaacacagaa	agaccctatc	tctacaaaag	agtttattaa
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48301	gggcaacaaa	gaccttgtct	ctaaaaagat	aaaaatttaa	aaattaaaaa	gacattgttt
48361	aagataggag	atatggttgt	acaacaatgg	gagtataatt	cacaccacta	aatactcaac
48421	atgatgtccaa	tggcatcttt	tatgttactg	atattttact	acaatttttt	taaaagtatg
48481	tggttaagagg	atgaatagac	aagccacaga	ttgggagaaa	tgattcatag	tacatatatg
48541	tacatagtat	agtcatacag	tatatagata	catgtatata	cagtacatat	atagcacata
48601	catgtacata	catacatata	tgacaaaagg	tctatatcca	gaatatataa	agaactctag
48661	caatttagta	ataaggcaaa	caacacaaca	aaagatttga	acagaccctg	cacaaaagaa
48721	gatagccaat	aagcacgtga	aaatatgtct	agcatcatca	gtcattaggg	aaatgcccac
48781	taaaactaca	gtaagctacc	gttcacaccc	attaaaaatg	ctaaaattca	aaagactggg
48841	aatgtcacct	gctggtgaga	atatatagca	accaaagca	cagccactgc	tgacgggaat
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48961	tttaccatat	gattgagaag	tttactact	aagtatttat	ccaaaagaaa	tgggggaaaa
49021	tggatgttca	aaaaagagac	atacacagat	gctcgtggca	actttattca	taatagccaa
49081	aaactggaaa	caacccaaat	gtccatcaac	tgggtgaatga	ttacaatatt	ttggaaaatt
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49201	aaataaaaaat	aaaaattagc	tgctaattgta	cacaacaatg	tggataagac	ttttttttta
49261	aaaggccgag	tgaaataagc	tagattcaaa	agagtagata	gtggtcaggc	atggtggctc
49321	acattctataa	tcccagcact	ttggaaggcc	tggggcgagt	ggattgcttg	agcccaggag
49381	ttcaagacca	gcctgggcaa	catgggaaaa	ccccatctct	actaaaaata	caaaaattta
49441	gccagggtgtg	gtgatatgta	cctgtggtcc	cagctactag	ggagactgag	gtgggaggat
49501	cacttgagcc	caggaggcaa	aggttcagat	gagctgagat	tgaccacta	cactccaacc
49561	tgggcgacaa	agtgagaact	tgtcttatta	aaaaacaaaa	ggtagatagt	gtatgattgt
49621	gtttacatga	actcttagaa	tcagcaaaat	taattctacag	ttacagagag	ggggtgagta
49681	caaagaggca	ctaaggaact	tttggggata	ataataatat	tctattgtgg	ttacatgggt
49741	atacacattt	gttaaaattc	atagaactat	ataYtttgaa	tgagtacatt	ttattgaatg

## FIGURE 3-N

49801	taaattatac	catagtttta	aaagaacttt	ttaaaagtca	agatgcaaac	tggggaaaat
49861	atttgccaca	tgtatgacaa	attaatatct	ttaatataca	aaatgtcatg	caaattgata
49921	taaaaagcat	taagacctca	acaggcaaat	ggccaaaaga	cacagaaaag	ccacaaaaga
49981	ggaaataaga	atatctaata	aacagggtta	aattaaagca	atgaaatact	gtatttcaca
50041	aaccaaatga	gcaaatttca	cctatcaaat	gagttttttt	gtttttgttt	tttgctttga
50101	tgataatfff	tgttttgttt	ttactttaat	gataatacta	gtattgtagg	acaagatgag
50161	cactcttctg	gtaaaaatat	aaattgatac	atfttctagaa	cacaattttg	aacactatta
50221	tataagcttt	agcaggaaca	ttaaagttaa	gacccaaaac	cttaacaatt	ttcagattat
50281	ttgacccact	tctagaaacc	tgtgctaagg	aataaacaac	gatgaatgat	caaaattaga
50341	gattttacagg	caagagtttt	cagccaggca	ctgtggttca	cacctataat	cccagcactt
50401	tgggagggtca	agctgggagg	atcacttgag	gtcaggaggt	cgagaccagc	ctgggcaaca
50461	tgatgaaact	ccatctctac	aaaaaatttt	aataatttagc	ccaggcacag	tggctcactc
50521	ctgtaatccc	agcactttgg	gaggctgagg	caggcagatg	acttgagacc	aggagttcaa
50581	gaccagcctg	gacaacatga	tgaaccccca	tctctaccaa	aaatacaaaa	attagccgag
50641	tgtggtggca	catatgtttg	taatcccaag	tgcttgggag	gctgaggcat	gaaaatcgct
50701	tgaacctgag	acgcagaggt	tgcagtgagc	tgtgatcacg	ccactgtact	ccagcctggg
50761	caacagagtg	aaactctatc	tcaaaaaaaa	aaaaaaaaaa	ttagcgggcg	tggtggcatg
50821	cacactactt	gggaggctga	ggtggggagg	agagcctggg	aggcagagtc	tcagctgagc
50881	tgaggtcaca	ctactgcact	ccagcttggg	caacagagta	ggactgtgtc	tcaaaacaag
50941	aaaaaacaag	tctggccatg	gcggtcagat	cctataatcc	cagcacttaa	caaggtagag
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51061	attctccacc	aacaaaaggg	acaaaaaaga	atfttttatta	ctgacctgtg	ttctcaagaa
51121	aaacaatcta	ggataagcca	ctaggttgag	taaacgctgg	catcaatatg	atgaactatc
51181	gaatattgtc	catggtacaa	acttaataaa	tattttctcaa	atatactcaa	cgtatacact
51241	atataagaac	cttagaaagg	agtgagatgt	gtagatgact	tacacttatg	ggtagagaaa
51301	cacataaaca	aattgtttca	ttgcagcaaa	tattggaaat	catctaaatg	ttcatcaaga
51361	gaggtgaaat	taggccgagt	gtacttgcct	atgcctgtaa	tcccagagct	ttgggagacc
51421	aaggcgaggag	gactgcttga	ggccaggagt	tcaagactag	actgagtaac	atggcgagag
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51541	tagctactca	gaaggctaaa	gtcagaggat	cacttgagcc	caggagttca	aggctgcagt
51601	aagctatgac	acgccactgc	atccagcct	gggtgacaga	gtgagatctt	gtattgaaaa
51661	aaagagggtga	aattaaataa	atctgtgtat	gtccacacaa	tgaaatgcta	tgaatgtgtt
51721	aaaaaacagg	cagatctaata	ctatgtccta	ggctgggctg	agtggcttgt	aatcccagca
51781	ctttgggagg	ccaagRtggg	tggatcacct	gagatcagga	gttcaagatc	agcctggcca
51841	acatggtgaa	accccatctc	tactaaaaaa	tacaaaaaaa	ttagctgggc	gtggtagcac
51901	atgcctgtaa	tcccagctac	tcgggaggct	gaggtgggag	gatcacttga	acctggaagc
51961	cagtggagggt	tgtgtgagc	ctcaaaaaaa	ccactgcatt	ccagcctggg	caacaagagt
52021	gaaactccat	ctcaaaaaaa	taaaataaaa	taatctatgt	cctagattgt	taaaaaatWt
52081	ttaaagggtgc	agaacagggc	acttggaatg	ctactatttg	aaggggagaaa	aaaaataaaag
52141	gacacataaa	tatttatgtt	tatataacat	caccagaaaag	atacagaaga	aaaaacaaaa
52201	caggtaagtc	tatactgaaa	gactagggtc	tgaggatgtg	aaaacagggg	tgacagagac
52261	ttagattttac	tttttgctct	caattacttt	ctgtagtgtt	taaatftttt	accatataca
52321	ggtttttctt	tttcaaaaaa	acaccaccaa	aaacaaaaac	acagattttt	ttttagaagg
52381	aaggggagtg	ttatggattg	agtttcttag	aaggaaggag	agtattatga	gttgagtttt
52441	ttagaaggaa	agagagtgtt	atagcttgca	ttatatcccc	tttatatgtt	gaagtcctaa
52501	cccccttaca	ggttgaacat	cccaaattca	caaactctgaa	atgcaaaatc	ctccaaaatc
52561	caaaaactttt	tgagcatcaa	catgactcat	gaagatctca	cccaatttcc	cagaagccct
52621	cgctcccatc	ggactagaat	cttcttttga	gaggcctttc	cttttctcat	ccctattgca
52681	accagtacaa	aaagcaaaac	agaaagacac	taaagcaaaa	ccaaagtftt	agtcacaaaa
52741	accaaattgg	ttggcgaggg	aaggtggtgg	ttacagggaa	ggttttaagc	tcaccaggcc
52801	ctgtagctga	ggtttcaaaa	tggcagctag	ctggacgcca	tctggtctaa	atctgtctac
52861	ccaaacctcc	ctccagttct	ccaagggatg	tccctaatta	ctagcacagc	cagctgtccaa
52921	catggaatct	aggtctccct	tctttcaaat	attagagatg	tgagaccaga	aagattactt
52981	cccaatacca	gagaaaaggc	tacgagggag	gaacaaggga	gagaaggaga	ccttcaactgc
53041	agcatgcaag	gacatggcgg	acgcgtccca	tcccatatct	cagctattat	gcattcccaa
53101	ctggcttggc	caacatccag	agagactcca	ggctggtgag	tctgtgaatg	tgaagttagag
53161	ataagcaagg	cggcgagggg	gagctcgccc	actgttatat	acgggctgca	gcattgcgtg
53221	gcgaggagtc	aggggaaatc	tccattttcca	agacattttc	gcactcgatc	ctgctcccca
53281	agactaagaa	ttctttcttg	gcttctctcc	actccctgga	atgtaactaa	gcagttacct
53341	tgagaacaag	gaaaaattgg	gggctaggga	ggtgtatgag	tgfttttaatg	tgtaaaaaat
53401	cacattttacc	ctggataact	gtttgcaata	aaacagagag	taggaaactc	cattctttacc
53461	ttcatctatg	ggacaggcac	cagtgcccaa	tcattgtgag	aaatagggag	aggctgatct
53521	atgcttaggg	agctcagaaa	atgctatgct	tccttccagc	tgtaggggag	ctgagccact
53581	ggggaagagt	ggatgcattt	ggacaaacag	gaatggatgg	aaggctttct	aggagagggg



## FIGURE 3-O

53641	accacatgag	caaagcctga	agaaggggtg	gttcttatct	agcaatgagg	aagtgtgagg
53701	agaggcaaag	aaatatcttc	tagaagctga	gggatcaggc	actggaagct	tatctacctt
53761	ctccaactcc	aggttaccac	caaggagagc	aaaatccaga	aacaaggggc	acctgcaaag
53821	tgggtggagga	aagaggagga	aaggaatgtc	tgccccRagc	ccagccccag	ggtcagatgc
53881	cgggaaaaat	tcctgggatt	at ttgtgtgt	gtatgagatg	gatctggagc	cacctgggct
53941	ccaagaggga	tgtgggtttg	gactggggct	Kccaggactg	gtctggggca	agctaaggac
54001	actttcacgt	gtccacactt	ttgtacttgc	tgttcaccag	tatctccttt	cccccttct
54061	cctccctggt	catggaaatc	cttaaaaaatc	atctcctctg	ggaagttctc	ctgatgctct
54121	cattcagaat	taaccaccca	ttcttttatgt	cgcttcaaca	agttgcttgt	atctcttttt
54181	ccattttacgt	tttctttttc	tttttttttt	tttgtttgtt	tgtttggttg	ttttgagaca
54241	gagtctcact	ctatcgccca	ggctggagtg	taatagcgcc	atcttggtct	actgcaacct
54301	ctgcctccc	gggtcagttc	aagccctgct	cctcctcagt	ctcccaagt	gctgggatta
54361	caggcacctg	ccatcacccc	tggttaattt	ttgtattttt	agtagagatg	gggtttcacc
54421	atgttggcca	ggctggtctc	gaactcccga	gctcaggtga	tccgcctact	tcagcctccc
54481	aaagtgtctg	gattacaggc	gtgagctacc	acgaccagcc	tacgctttcc	tatatgcctt
54541	ttttttttatt	ttttgagatg	gagtctcact	ctgttgccca	ggttggagtg	cagtggctca
54601	atcttggctc	actgaaacct	ccacctccc	gattcaagcg	attctcttgc	ctcaacctcc
54661	caagtagctg	agactacagg	cgcattccac	catgcccac	taatttttgt	at ttttagta
54721	aagatggggt	ttcaccatgt	cggccaggct	ggctctgaag	tcctgacctt	aggtgatcca
54781	cctgtctcag	cctcccaaag	ttctgggatt	acaggcatgg	gccaccgtgc	ccagcctatg
54841	ccttgtctta	taattagtct	ccctctcttc	taaatgtaaa	ctctcagatg	tcaagaacta
54901	gatctttatc	atctttctga	ccccatcccc	cagcaccagc	tcttccccag	agcagacact
54961	cagtaaatat	ttattgaatt	gaatatacag	accacaagg	agcaacctgg	tactggcgga
55021	cattttttgat	tcctgcatec	attcattcat	ttgctcaaca	accatgtgag	tgcttaatac
55081	ctgccaaact	ggctcacact	ctctcacaga	gcacactcaa	attgtttcat	caaccagcta
55141	aaagtaagtt	cagtatcaat	tcagggtctc	ttttcagttc	tagaacatag	aaaatttcac
55201	aggatcacct	gaacacgcga	gggcgggtgc	agcctacatc	ccattgcctg	ttctgtcca
55261	gatggaaagt	cacaccctca	agaaggcccc	tggggaagac	agattgtctg	ggatgtggat
55321	gagggccccc	acaggctctg	cccagcccag	cccagcccag	cccagcccag	cccaccagg
55381	ggaaccctag	atacacctat	cacaggagat	ggcagtttaag	ataactctat	ctacatacac
55441	agtaccctgt	ggatactaag	taaggagctg	gtcattttgga	atgaggcagg	agagctctag
55501	gaagtcctct	ctgcagagta	gatgtggcca	tggaggtggg	aggattaact	gaaggtcata
55561	agaaaagtct	gcccttctca	gagatcaata	agtgc aaatt	acttgagagt	cagggaactg
55621	ctctgccatg	gaggaaaaat	acagatgggg	gcaggggcgg	gaaaggaagg	gggcaggtta
55681	gggacagtca	ttgatctcgg	cgggctcttc	caagtctaaa	attgtaggat	tctaacctga
55741	acctcccctg	ccaacaactt	gaaagagttg	tcttgagatc	agggacatgt	ggagagaaaag
55801	ttgaattagca	tgtcagataa	taaaccaaga	agaaattgtg	aagtcaaaac	aagggataaaa
55861	ttttccttat	ctctctaaga	catgcatcaa	agcagctgRc	tgctgtctgc	ctggcctggg
55921	aagatgataa	tggtttttaa	tggcccgtaa	acaataggac	cagcctttgt	aataaagttt
55981	aaccaattaa	tcctctaggc	ttcctccctg	cactctgcct	actctccgct	cctcctttct
56041	gtgatggggc	aaccttcagg	ggtctgaaaa	gcaagggatc	cagcccctag	acgcaaacct
56101	ataggtgaca	ataagagttg	cccagaggaa	gtgctaaaga	aaattgcctc	tatctgatc
56161	tggctaaaaag	gaggaaagaag	ccctcttttc	agcgaaaagg	agaggagaga	tgatgcataca
56221	aggaatttgc	acaagaggta	aacttcattc	ttattcagga	gctcattcat	tcattcagca
56281	aacattcatg	aacacctact	atgtgcaagg	catctgcaga	gggtgcaaaa	atatacaaaag
56341	aaaataacctg	cccaagatgg	aattaaagcc	tggaggggggt	ggtactggga	acaagacaca
56401	ttcacagatg	gccgggcgcg	gtggctcacg	cctgtagttc	cagcactttg	ggaggcagac
56461	gtgggtggat	cacgaagtca	tgagatcaag	accatcctgg	caaagatggt	gaaacccccgt
56521	ctctattataa	aatacaaaaa	attagctggg	catggtggcg	cgtgcctgta	gtcccagcta
56581	ctcgggaggc	tgaggcagga	gaatcgcttg	aaactggaag	gtggaggttg	cagtggagcca
56641	agattgtgcc	actgcactcc	agcctgggca	acaagagcga	aactccatct	caaaaaaaaaa
56701	aaaaaaaagac	acattcacag	atatcaatcg	taaaagttag	tacaatagcc	tctgcaaaacc
56761	actgtataaag	tccagcttct	ttttccattt	cttctttcat	gtgccaatgt	ccgcttgggg
56821	tggttacgac	agacaatat	cagaaaaatg	aagaatcaga	aagagaagaa	agtggaacac
56881	acaagagaaa	gaaaaccaag	gccctcctcc	ctcctgccat	ggccctctct	gtcttcagcc
56941	ctagttcttg	aaaagaaaag	ggtgtgttgt	cactagaggc	ctccaggcag	gtccatgccca
57001	ctgagtcaca	tttcaagctg	tgtttgcttc	ctacaccaac	aaggcatatc	ttttctgaat
57061	tgtgcaatat	tctggccacc	tggttttttc	tacttggtat	accaactcct	agtactcaac
57121	aaccattccc	tttactcttt	tttttttttt	tttttttttt	tttttgagac	agagtctcac
57181	tctgcacaat	ctcggctcac	tgcaacctcc	gcctcccaag	ttcaagcgat	tctccctgtc
57241	tcagcctccc	aagtagctgg	gactacaggt	gcccaccgcc	atgccagctg	aattttctttt
57301	ttacttttag	tagagacagg	gcttctcat	gttgccagg	ctgggtctcaa	actcctgacc
57361	tcagggtgatc	tgctgtcctc	agcctcccaa	agtgctggga	ttacaggtgt	gagccactgc
57421	gcctggcccc	cctttactct	taaatacagt	gtgtgccagc	tgtagtagtt	tatgcctgta

## FIGURE 3-P

57481	ctccgagcat	ctcaggaggc	tgaggcagga	ggatcacttg	agcccaagag	cttttaggctg
57541	tagtaagcca	aggtcacacc	actgcattct	agcctgggca	acagagcaag	accctgactc
57601	ttaaaaaaaaa	atacaatgtg	taatggtgat	ataataattc	aaaggttaat	catctctact
57661	tttgaaaaaca	ataatgaata	ccttgctttg	catttgttta	gcctcacatt	tttttcagag
57721	ttcttcaaaa	aattattatct	catgttcatg	ctacaagcaa	ccttggtatg	taacaaaggt
57781	taaacatcat	tattttccact	ttaaattttc	cctcctttct	ccatttgttt	tctactcaac
57841	aaacagtggg	tgagtacctg	ctatgtgcta	agcaccatgc	tgggtacagg	gtcatgcaac
57901	atagcagaaa	aacagcagat	cctgccttca	acaggttcat	agagctatgg	ggaggagaag
57961	tgaggacgtg	gtcccgtgtc	ccagggtctg	gggcatcttc	tagaggagaa	gattgagaca
58021	agcattaaaa	gattatcatg	ggccagggtg	ggtgctcaca	cctataatct	caacactttg
58081	ggaggccaag	gcaagaggat	cgcttgagcc	tgggagggtg	aggtgcagt	gagccatgat
58141	ggtgccaactg	cactgcagcc	tgggcaacaa	agtgaagcca	tgtcttaaaa	aaaaaaaaaa
58201	acttaatatg	attttaccag	gtagaaaaga	gaggaaaggg	gattccagag	agtgggccag
58261	caatctatgc	acagagaaga	gtgagccatc	tggggcatcc	agaccatggg	gtgaggagca
58321	atgaagggca	aaggctgaga	aagactgaag	agggaggctg	ggcccaacaa	acggagccaa
58381	gagtgccttg	ccaaggagtt	tggactttat	cctgggggca	atgaggaat	cactgaaggt
58441	tttaagcaga	ggtgggtgac	gtgatcatag	ttgtgtttca	gcaagattac	cctggccacg
58501	ggatggagaa	agcactggac	tgggaagaga	ctgggcagac	tctagaaaca	ttcccaaaat
58561	agaattcgca	ggactgggtg	tcccactgga	gataggagga	aaaggagata	atagaaacag
58621	ccttctcact	tgggcttgag	gggccctcgt	ccaatatagg	agaccagtaa	gaaagccttg
58681	cccaagggtca	cctcaagtta	ccttgatggtc	aactcgaatc	aagaagctca	agttccttct
58741	ggtagaaaac	tcttagtctg	cctcattcac	attgatcagc	aaataaattt	aaccatcatc
58801	tgccaggctt	tccttgtttt	ccactttata	catgtgcact	ttttgtccta	tggagattat
58861	taagatcatt	agggcaaaat	tccttttgac	ctcccataag	gcctctcaca	gtacaagaca
58921	atatgtgggtc	aataaatatt	tgttattaaa	tcaaactcca	ggagccccaa	gaacccatca
58981	ccaggcattg	ccttacttac	aacatgagat	atttgccttc	tttaatccct	aataaacagt
59041	tttttgtttt	tgagacagag	ctttgctctg	tggccaggc	tggagtgcag	tggcacgggtc
59101	tcggctcact	gcaacctctg	cctcccagggt	tcaagtgatt	ctcctgcctc	agcctcccaa
59161	gtagctggga	ttacaggtgc	ccaccaccac	gcccagctaa	ttttttgtat	ttttagtaga
59221	gacagggttt	caccatgttg	gccaagctgg	tctcaaactc	ctgacctgtg	gatctgcctg
59281	cctcagcctc	ccaaagtgtc	gggtattacag	acgtgagcca	ctgcatctgg	ccaacagtat
59341	tttttatatta	attcctagat	aaagtaattc	ctagatgctt	gaatttcaca	atccaagata
59401	attttttttt	gagacagagt	ctcgctctgt	caccagggtc	ggagtgcagt	ggcgtgatct
59461	ctgctcattg	caacctcacc	tcccagggtc	aagtgattct	cctgcctcag	cctcccaagt
59521	agctgggatt	acaggcgcct	gctaccacac	ccagctaact	tttttgattt	ttttagtaga
59581	gatgggggtt	caccatgttg	accaggctgg	tttcaaactc	ctgatctcaa	gtgatccgcc
59641	cacctcggtc	tcccaaagtg	ttaggatttg	aggcgtgagc	caccatgccc	agccacagtgc
59701	caagatatatt	ctaacaacaa	caacaaaatt	ggagcgttca	atgtggtctt	gccaaactttt
59761	gttttaaacac	cattgtttct	taaaagaaag	aacattgaat	acatatcccc	aaagtcagga
59821	taatataatt	ttaagatgaa	ttttccaaat	taaatcagag	ttcctcaacc	tcagaccaat
59881	taacactgga	ctgaagaatt	ttttgctatg	gcagtggagg	ggaaggagaa	gggggagctg
59941	tgggcaaaat	tgacacagtt	cagaaccact	gaatttttta	aagtagcgtt	tcttaaaat
60001	ccagttacac	tgtccttata	ttttggatca	gtgaaaacta	tcacagactg	ccaccagtcc
60061	ataaacagct	tttggaaca	agagactcag	aggtgaagaa	tgtggaattt	gaaatcagac
60121	ttgaactcaa	atcccagttc	cacctctcct	cattccctga	ccttgagcaa	ggcactgttc
60181	caagcctccc	tttctctccc	tgcacagcga	ggacaatacc	accccatccc	agttgtgggg
60241	aggattcaat	ggaatagatg	tgacgcactt	agcatgtgac	catcgggaa	ggaagtatga
60301	cattattaac	attatttcta	ccacttctat	aacatatgtg	gtatctaata	caaattaatg
60361	actgtaccc	aaatttcaga	ctttctgggt	caaaaggacc	ttacacataa	tatagtggac
60421	tttcaataaa	cacttaccaa	atggacaaat	gaaccccttg	tcaccccgat	ctcactagtt
60481	ccttccctga	aacccgacac	atctgagtc	ttttctcctt	tactaacctt	ttctccaatc
60541	ctgctcatgg	gaattaaagc	tgtaaaataa	gacctggcgca	cctcgggcct	ctgcccctggg
60601	ctctgtgggt	gggagcactg	tggaaagccgt	atcaatcgcc	cccacctatg	agagcctttc
60661	ttcagggcca	gccatgaacg	tYccccatgt	catcagcatc	ttcaggctac	tgctgtcctt
60721	cttggtatatt	taacctggag	gcggggccagg	gacagaaaaa	ggagggtggca	agatccttga
60781	acaaaaggag	ctataaaagg	gcgttggggg	aagcaaggca	aacggcagat	taaacaagca
60841	ggcacctcaa	ggaacgtga	cgcgaggagg	gattccgagc	ctctctgtct	gcttacttga
60901	cagcaagcag	gtcagagttc	ctgccatttc	cttctagtag	aaacccacc	aagaccacct
60961	ccccgccttg	gcaggcaaag	cactggtagc	tctcccaagg	gaaaaaaaaa	acaaaaaaca
61021	cacactcctt	gttacaaccc	agacacagtc	ctggacagag	cccagctaac	aataaatttc
61081	tgggggttcat	ctcacaagta	cattaagtat	cttctgacaa	tctcccaaag	ggctgggttt
61141	ttcttgccat	cacagggctg	tagaattatg	agtacaagga	gagggcttca	agaacagggg
61201	atccaagccc	tcgttttcatt	gatggggaaa	ctgaggctca	gagaggggga	aggaacttgt
61261	tcaggatcat	ccaagtatgc	tcccgctcagt	Rgcagcactg	agccaagaac	tcaaggcttc

## FIGURE 3-Q

61321	agtgtttggca	ctgggtttttg	ccagaggctt	gaaaacatac	caagaagtgg	aaggtgtact
61381	atgagctaaa	tctcactttt	cctgaaaaata	tagatgtgtg	ctcacacagg	cacacatgtg
61441	cataaaagg	agggaaagag	gaaaacaaat	gtagcaaaat	gctagtaaat	ggatgaatcta
61501	agcaaagggg	atattggtgt	tcattgctct	attttcacaa	cttttcagaa	ggcttgccat
61561	ttttccaaga	aaaatctgag	gaagggtctag	gtgtggtggc	tcatgcctgt	aatcccagca
61621	ctttgggaag	ccaaggtggg	aggatcgctt	gagggtcaaga	atgtgagacc	agcctgggca
61681	acataacaag	accccatctc	aacaaaaaaa	ttaaaaattg	ccaggcatgg	tggtcacac
61741	ctgtagtccc	agctactcag	taggctgaag	caggaggatc	gcttgagccc	aggagttcga
61801	ggctgcaatg	agctatgatt	gcactactgc	actctagcct	gggcaacaga	gtaagaccat
61861	gtttcttttaa	aaaaaattaa	aattaaaaaa	taaaaaattt	tgagggagaa	agataaagca
61921	ctaactagca	atctaagata	aaaaattttt	ttaaaaaaat	cacttggaat	agagtaggaa
61981	ttctctcctt	aatttcattc	agtttcccta	gctagggaat	aatatcctta	gaaaaagtta
62041	taagaaatcc	agaggttaaa	gggggtgggac	tccaaacaag	taagagatcg	ccagtattca
62101	tagcagtcgg	cagctacagc	aatcttagaa	tccaaatacg	atctcagata	ttttgtccca
62161	tcagctccta	aaatacatat	attctggtca	caccatgtat	cctctgttgt	ttttggtgca
62221	aaaagtaaa	taaccatgaa	ctacagatag	ggcaaagtgc	agaatttttc	caggggactt
62281	tatcaccttt	gcaatacagg	tagttttata	atgcaatata	atatagttta	atttctattc
62341	aatttgcaaa	ttctttcaca	tgagtaaatc	atttaaatcaa	aatccacatc	caaccacac
62401	tcaccatgtt	ctctatccat	attagtattt	ggttttggg	atactgggtc	cataatccag
62461	ccttgaaaat	ctatcctggg	ccacatatat	aactcatacc	aatagcagg	cactcaaggc
62521	atgaagattt	gagggaaacac	aacatatcca	agaaacctca	aggaattcct	tatggctgaa
62581	tgaaggtctg	aggaaccat	agagaggga	atatgacttg	gagagaaggt	agaggttaaa
62641	tccaggagg	ctcatacacc	caacaaagga	gttggaagtt	tatccttcag	aaaacaagga
62701	gtcactgaag	ggttttaagt	aggcagtgat	ataattggat	cattctggca	gagtacagat
62761	ggtatgaaag	aactcaaagc	taggaagact	atcggaatga	caaagacctg	aactaaggca
62821	gtctgagcgg	gagtgaactg	ataacacatt	aggaagagct	attgaccaca	gcaaattggc
62881	aaaactgggt	gggaagagg	cagatgtgtc	tgagagagac	agaaaggatc	ccagatgacg
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63001	aggcgaagg	ttggcagagg	aacgtggtga	gttttgaaac	tggtgagggt	ctggttggtg
63061	atacaaatat	ggagctccag	aaagaagccc	aggatgaata	tgtgcattgg	gagtaaccaa
63121	cattaatgta	cggggatgga	tgccaagggt	gcagaggagg	tcagccagag	aattgggggc
63181	aaaacaagaa	ctgagtcaag	gacgaaaact	ctgggggaaa	aaaaaaattt	aaggcgagtc
63241	agggaagaag	agaccccaaa	aaacgttgag	gagttagccaa	agaggtaaa	acctaggcct
63301	gcttttaagt	gaccacttaa	actcctccat	ctccacaggc	tggtcacacc	atgctggggc
63361	tggggaagga	ataatcatgt	gttaaaataa	actcatttct	caatgaaaag	acaaacagcc
63421	caatttataa	atgggcaaat	aacaaataga	catttctcca	cagaaaaaat	acaaatggcc
63481	aatagacaca	tgaaaacata	ggaagtatac	ttcggtcatt	agggaaatgc	aatcaaaac
63541	cacaatgagg	ccgggcatgg	aagctcacgc	ctgtaatccc	agcactttgg	gaggtcgagg
63601	caggtggatc	acttgaggcc	aggagttcga	aaccagcctg	gctaacatgg	tgaaactcct
63661	tctctactaa	aaatacaaaa	attagccagg	tgtgctggtg	cacgcctgta	atcccgagtg
63721	ctcaagaggc	tgaggcacga	gaattgaacc	tgaggaggga	aggttgccgt	gagccgagac
63781	tgcccatctg	cactccagcc	cgagtgcagc	agtgcagact	tgctctcaaaa	caaacacaca
63841	aataaaca	aaacccacaa	tgaggccagg	catggagtct	gacgcctgta	acgccaacac
63901	tttgggaggc	caaggcgggt	ggattacttg	aggtcaggag	tttgagacca	gcctggccaa
63961	tatggtgaaa	tcccatctct	actaaaaata	caaaaattag	ctgggcatgg	tgccaggcat
64021	ctgtaatccc	agctattcgg	gaggctgagg	caagagaatc	acttgaaccg	gggaggcaga
64081	ggttgacagt	agccgagatc	gtgccactgt	actccagcct	gggtaacaga	gtgagactgt
64141	ctcaaaaaaa	aaaaaaaaaa	aaaaatcaga	taccacttca	cacctggtgg	gatggctaga
64201	gtcacaaaga	ggtagaggaa	ctggaccccc	catacatcac	tgatttgaac	acaaaatgcc
64261	acagtcactg	tggaaaacag	cttggcagtt	cctcaaaact	tcaaacacag	agttattata
64321	tgaccagaa	actcctcccc	taggtatata	cccaaaaaga	ttgaaagcat	atgtccacgc
64381	caagacttgt	acatgaaagt	ttgtgttagc	attcttcata	acagccaaaa	agcagagata
64441	aagcaaatgt	ccatcaacag	atgaataggt	aaatcaaatg	tggcgtattc	atacaaggga
64501	ctattattca	gccataaaaa	ggaaggagg	actgaaacat	gcaacaacat	ggctgaacgc
64561	tgaaaacatt	atgctgagtg	acagaagcca	gatacaaaag	ccacatgtgt	tatatgattt
64621	catctctatg	gaatatctag	aataaggaaa	tccaaggaga	caaaaagcag	attagtgggt
64681	accaggggta	gaggggacag	gggagtgagg	agtgtctgct	tcctgagtcg	agaatttctt
64741	ttttcttttt	ctgtcaccca	ggctggagtg	cagtgggtata	gtctaggctc	actgcaacca
64801	ccgcctcccg	ggttcaagca	attctcctgc	ctcagcgtcc	tgagtagctg	ggattacagg
64861	tgacgccac	catgccccgc	taatgtttgt	attttttagta	gagacgggat	ttcaccgtgt
64921	tgccagggt	ggtctcaaac	ccctgacctc	gtgatcctcc	ctcctcggcc	tcccaaagtg
64981	ctggaattac	aggcatgagg	ccaccatgcc	aggccaggat	ttctttgtag	ggtgatgaaa
65041	atgttccggc	atcagatgtg	gatgatggcg	gatgtactaa	ccaccactga	attacgcact
65101	ttcaaatggt	tagaatgggt	aattttatgt	tgtgtgaatt	ttctctcaac	agaaaaattc

## FIGURE 3-R

65161	aatcatcctt	tacaaagtga	cccacagcca	caaggagctg	gggaagcagt	ttctccagct
65221	tgcagcagga	gctccagata	ttctgagtaa	agaagccaaa	cagcctgctt	cccgggagac
65281	ccttaaatgt	cttcacacat	ccacagctgg	gggaggagac	gctgatgaac	aggagaagat
65341	ggagcatcgg	cctcccctgg	ctactcactc	tgtgctcggg	ccgcctcgcc	cacttgtaaa
65401	accccaaatg	ccagggtggc	agcaaggcat	acatgcaact	atgacttgac	ccgcagcgag
65461	gcagcaacca	ggtctcacct	gggcatagtt	acccacaag	gacaggaaaag	gagaaatggt
65521	ttccaggccc	aggacaccca	gaagccacca	aaaaccaacc	tcatggttca	tcccccttat
65581	ttgactcttc	gacacctaata	acctgtgcgt	tgtgttcaag	atacaccgcg	cggagaccac
65641	attcccagac	atcccagggg	ccagccgtca	ccacacgggt	gcctcgggga	gatgctggag
65701	acacaagtgg	ctttgaaatt	agcacaactt	acatggcctc	cagggtctgct	gtggaaatcc
65761	aggtccaaag	aagaagccag	tgaggaaacag	gaggctgac	attgtgttct	cagaaggggt
65821	tgagcctct	ggggaggggg	cactgaggac	agagcacggt	gttctgcaga	tcatatcaca
65881	tctctacttc	cctctccagt	gatatgtctc	cctcactctc	ccattttgct	ccctctctcc
65941	tgccaaactc	ccagggcaac	cctggataat	aaagtgaccg	aatgtgaatg	cttcagggtg
66001	gcacaccagc	actccagaga	aactgtcaga	gcagggggca	aacccctggc	ctactccagc
66061	cactggataa	gcgcaccctc	ctccatgcct	ccctgctcct	gcctgcccctg	aaggggagaag
66121	gagcgcaatg	aaactagggtc	ttcccctggg	gttctgacca	cctcgtgggg	agatttatgat
66181	tgccctgtgg	ttgccatgcc	tactgtgatg	tcactccttt	tatcagtcta	tctggatgaa
66241	tttttccccc	ttttctctga	aggaaacctc	ctaccagtg	cttaggagcc	cattgggagc
66301	tcccgccctt	gtcttatctc	gatctgggac	ctcagaagac	tccacattcc	taacaggact
66361	agctctcagg	atgaagaaaa	tctctctcaa	gctgggtcaat	ctactcctag	atttaagcag
66421	aaccaaacag	aacctatttc	aacatccctc	ctcagaatgc	aaacaggaga	cggctgtgtg
66481	gaaagatcca	atcaccttta	cttaattggt	cagaataaaa	tcactttttt	ctttttaagg
66541	cagagtttcc	ttctgtggcc	cacactggag	tgactggcg	caatctcagc	tcactgcaac
66601	ctccacctcc	caggttcaag	caattctcct	gcctcagcct	cctgagtagc	tggaaattaca
66661	ggcgcgccac	accacacctg	gctaattttt	gtgtttttta	gtagagacag	ggtttcacca
66721	tgttgccag	actggtctca	aattcctgac	ctcaagtgat	ccaccctgtc	cggccacca
66781	aagtgtctgg	attacaggca	tgaaccacca	cacctggcca	gaatcacttt	ttcagtaaaa
66841	taagtgcaaa	gaagaatgag	ggtgggggaa	aggtttactg	atcccacact	ttgtcatgca
66901	cagaggaagg	caaagaaaga	aagaaaactc	tttcctaaat	gatcacttgt	ctccagcagg
66961	tgtatcttga	ccattccagc	catggatcta	tagggagttt	catgccaatg	aaaagcattt
67021	ttttggggtc	ctactatgca	ctaggcactg	tggcaggtac	tggagactta	gtcccagccc
67081	ttaaagaact	aataatagga	tcattggccag	gcgtggtggc	tcacgcctgt	aatcccagca
67141	ctttgggaag	ccgaggcggg	tggatcatca	gaggtcagga	gttcgagacc	agcctggcca
67201	acatggtgaa	accccatctc	tactaaaaat	acaaaaatta	gctgggcgca	gtggcagtca
67261	cctgtaatcc	cagctacttg	ggaggctgag	gcagaagaat	cgcttgaacc	tgggaggcag
67321	aggttgccag	gagccaagat	tgtgccattg	cactccagcc	tgggagacag	agcaagactc
67381	catctcgaaa	aaataaaaaa	agaaaagaaa	gaaaaaaaag	atcactgttc	acaatcacia
67441	catttacaca	gcctccttca	aaagaatttc	ttctctagaa	agataagctg	agagaccaga
67501	cagttcgtct	gcggccttca	tgaagtgaia	ggaggcagag	aagaaaggag	ttggccatgg
67561	acaggttttg	ccccagatcc	ttgagtgaag	acccagcct	gctgcaagct	ttttcctcat
67621	tctgtctctc	cctcctggaa	ctctgtgcag	cttccacagg	cgggtgaaaga	aggcagcaag
67681	cagtggtctc	agtgccagct	gcagcaacca	caccagggga	atggggccat	ctgacacaga
67741	gagggtgtga	gggccaggga	gactgtccct	gtagccagct	aacccctcca	gtcaagtoga
67801	ctttcacaaa	atgggcctgc	tcctggaagt	cattgatgcc	attgttaaaa	caacgacca
67861	ggccgggcac	ggtggctcac	gcctgtaatt	ccagcactct	gggaggccga	gacgggcaga
67921	tcacttgagg	tcaggagttc	gagaccagcc	tggccaacat	ggtgaaactt	tgtctctact
67981	aaaaatacaa	aaattagctg	ggcgtggtgg	tgacacactg	taatctcagc	tgttcagaag
68041	gctgaggcag	gagaatcact	taaaccagg	aggcggaggt	tgccatgagt	cgagatcgag
68101	ccactgcact	cctgcctggg	caacagagtg	agaccctgtc	tccaaaaaac	agcaccctgg
68161	agaagacagc	agtccattca	cactggaaac	atccagactt	attacataaa	aatggcaatt
68221	agtggccagg	cacagtaact	cacgcctgta	atcccagcac	tttggggagg	cgagggtggc
68281	gtgtaatccc	agctactcgg	gaggctgagg	caggagaatc	gcttgaaccc	aggaggtgaa
68341	ggttgcaagt	agctgaaatc	acaccactgc	acttcatcct	ggatgacaga	acgagactcc
68401	gtctcaaaaa	aaaaaaaggc	aattactggt	ggcatcagca	gcacagttgt	tttcagccaa
68461	aacttaagac	acagaactag	ccttatcttt	ccagtatatg	gtatgtctct	tgctattttt
68521	tgcacaattat	ctatcatata	tatatctctt	tatatctctt	tttttttttt	tttttttttt
68581	tttttttttg	agacagaatc	tcgctgttgc	ccaggcttga	gttcagtggc	atgatctcgg
68641	ctcactgcaa	actctgcctc	ccgggctcaa	gcaatttttg	cacctcagtc	ccctgagtag
68701	ctgggattac	aggagcacgc	caccacaccc	agctaatttt	tgtattttta	gtagagacgg
68761	ggcttcgcca	tgttgccag	gctggtctca	aactcttggc	ctcaagtgat	ccatctgcct
68821	cagcctccca	aagagctggg	attacaggtg	tgagccaccg	catctggcca	tatatattct
68881	tttaatggca	agcgggaaca	aaatcgtatt	cccatcttct	gaatgagaaa	accaagccta
68941	aaagagggac	tcccaagtaa	tatcaacttg	caaacctatg	aatttttatc	ttaaatactg

## FIGURE 3-S

69001	gctttgaggg	accttttgcca	acagcaaagg	cattcggcaa	tttgtgtgga	agtcacatta
69061	ccagcccacc	gaataagcca	caactatgag	ttcttccgtg	attagcgggg	ctggggatgt
69121	ggcaggcagg	cgtggaagt	agatccacgt	gaaagaccta	agcactgact	ccccgaggga
69181	ctggcgaaat	gacgcagggg	ccagatagat	gtcagatttg	gccaaagtgt	cctcctttct
69241	cacaagcccc	tctgcctttc	acctgtcctg	aggtaggaca	accggatgcc	ctactttgct
69301	gtgcagcccc	actctcttgg	ggacagtagc	ccaaacaggc	tgctcttgct	acacacagat
69361	aagaagcttt	gccacccaaa	accaagaaag	gggccgggtg	ggacacacag	ggaatgctca
69421	ctcagtgggtg	gctgagtttg	tggaaagtagc	aaaacctgca	ctgtaggacc	cacacctgtg
69481	agagagggcc	ccacgggaat	ctcagcttgg	atcaaagcag	gcgggtgctc	actccactga
69541	gggcagcaga	gcccagctcc	agggtgcgac	aggaagtgc	ctgagaagct	ggagtctctg
69601	actcacagac	ccaggcttga	atttcagcac	cactcagtca	ctgtgtgggtc	ttgagtgcact
69661	tgcccttggt	tttcctcatc	cataaaatag	ggataaaaaat	acctgacctt	gaaaaattat
69721	acgaatgcc	gcacacagta	catacgaca	gcagagacag	gagctagaat	tattgatttg
69781	ccaaatgcag	cagtgtctgg	actcagccgc	ccacttctga	ccaatggcct	tcacttgtaa
69841	cacagctgat	ctggagggta	aagcctgcag	ccgtggaacc	aagctctcgc	caaggtaact
69901	gacccatgtg	gggctcagag	ccttgttctt	actagaacca	ctctagtgtg	tttgattttt
69961	tttattttatt	tatacacata	attctgtgca	ttcctttatg	catatgtata	catatatatg
70021	catatgtata	atttattcaa	atagcatcat	atcactgata	ctatttctct	acgccctacc
70081	ctcccacatg	gctactcaca	gcccctgcct	ttccaggcgg	cccgtgttaa	catcttagtt
70141	tgtatccttc	cacaattctc	cccatattca	tgtaatttta	cacacacaca	cactgaatag
70201	tgaagttttg	gacagtgtgg	gggcttattt	gtttaacaaa	aatggaatta	tacatcatac
70261	acagtctctc	cctctttttt	tattctacca	taatttgcca	aaatcctttt	aatggttctg
70321	ttataattca	tgatataaag	gtgtcaaagc	tattcagcca	ttcctctact	gatgggaatt
70381	cactcagttt	caacttttgg	ccactaccaa	caaaaaagca	ataaattcct	tgacagtatg
70441	tcctaaccaa	agaccatttt	ccaaccagac	aaaaggccag	gtcccaggat	gtgaggggtca
70501	cccataaaaa	ggacctcatg	atgaactcct	gattcagcca	catcatcctt	aaaattctcc
70561	ttagaagaga	gacctctgc	tcctagaaat	acaaattccc	aggcatgggt	ctggcttcca
70621	aactctagct	cctccagttc	ttactgcac	aagtcaattc	tgcagggtct	cattttccca
70681	tctgtaaaa	aaaatcataa	ctgccttagg	cggcaggatt	tgagagtgtc	ttagcaaggg
70741	attttttatga	gggagcagtg	tgtgaaataa	tatttttgct	gtaattctgt	gagatgttgt
70801	ttctagcttg	tttgggggtc	agggaaggga	gggcaaaaca	gaactaacag	attcaattaa
70861	gttccctctg	agactcaagg	tccttattta	taaggtaacct	ggggctggat	gggaaggcac
70921	ttctatcttc	tgcatttctg	aaacacctgg	tactgtggtt	gtttacaagg	aaaacttagg
70981	aactggacag	gggagctttg	gagtgtctac	ttgccagtt	ttgtcagatt	ccaaagaggg
71041	gcaactataa	ttgaaattat	aagaagaatg	gtccaatcag	caaatttttg	aaaatctgta
71101	atctcactgg	tgtttgattt	tcactcaaaa	attccctaag	ctctacattt	cattcagtaa
71161	aaagttgggg	ttaggggaga	gattggaagc	ttcttttgca	ggggatatagt	gattttattg
71221	gtctattctt	gaaaaaaaat	gagaaatttt	gggaaaacaa	tcttaaaaat	tccatttcga
71281	gtagcagttc	taaaagactt	tcaagagcct	ctctgaaaag	aagcagttac	agcaacttga
71341	atgaattttac	ctggttatca	tatggctcac	atgcatgaga	gtgggggaga	agacacggta
71401	aaatcaacag	agttcgtgtc	atgatatctt	gctttaaaac	ccaaatcaag	gccaggcaca
71461	tggtgcttatg	cctataatcc	cagcactttg	ggaggccaag	ataggatgac	tgtttagggc
71521	tgggagtttg	agaccagcct	ggaaaatatc	atgagactcc	tctctctaca	aaagaaattt
71581	ttttgtaatt	agctgggtgt	ggtggtacac	ctgtaatcct	agctattcag	gaggctgagg
71641	taggaggatc	gcttgagccc	aggaggtcaa	gcctgcaagg	agctatgatt	ataccactgc
71701	actccagcct	ggtgacaga	gtgagaccct	gtctctaaga	aaaaaaaaaa	aaaaacctca
71761	aaacctgact	atagaagaat	ttcttctatc	aaaatcgaat	caagcagata	attggcacc
71821	ctttggaaaa	ggattcagca	gcctctactg	aacatacgcc	tgccccatga	cccagtaact
71881	ccctgcaag	gtgtatatac	ttaagggtctc	caaaagacaa	gtaccagcat	gttcccagca
71941	ccactactca	tggaaagacc	agacaaaaaa	ctaccacatg	ctcatcaaaa	gtaaaatggg
72001	aaaaataatc	atggtgaatt	tacataacag	agcactatat	agcgatgaga	atgaatgatc
72061	tacaaccaca	gccaacgctg	gtgtaattctc	acaaacgcaa	tgttaaaggg	gaaatccagc
72121	tagtaaagt	aacgtgctag	aagattccgt	tcgatgggggt	tagactcaga	atagtcaccc
72181	ttgggtgggat	ggggtagggg	gcgttgggggt	gcctggaagg	ggcacggcta	ggcttctgtg
72241	atgtttcttc	atctgggggt	ttgtgacaca	agcatgctca	acttgtgaat	tttgggtgggt
72301	gaacatatgt	gcactttttg	gtatgtatgt	tatacttcag	tttttaaaac	ttaagaaatt
72361	agccaattgaa	caaaaataaa	catgatttgtg	agctgggcat	gggtggctcac	actggtaatc
72421	ccagcacttt	gggaggccga	ggcaggccga	tcacgaggtc	aggagtttaa	gaccagcctg
72481	gccaacatgg	cgaaccctg	tctctactaa	aaatataaaa	aattagccag	gcgtgggtggc
72541	agacgcttgt	tatcccagct	actcaggagg	ctgaggcaag	agaatcactt	gaacccagga
72601	ggcagaggtt	gcagtgaacc	gagatcatac	cactgcactc	caaccgggtg	gacagtgtga
72661	gactccatct	caaaaaataa	aataaataaa	taaacatgat	taaggataaa	gcaatccagY
72721	ggacaaggct	cttgagacca	tattttattt	gKcatgtatc	attccggggg	gctctcctct
72781	gtcaatgcc	agactagcta	gtcagtggtg	gagaaaaggc	attctgtgag	aacagatgaa

## FIGURE 3-T

72841	aggggaacaga	gaaactggca	ctttctttgg	aaaagagttg	tttccaaaac	ctagatgtgc
72901	agcctctacc	ccaggtaatt	agtccaacac	actatccatt	acagctgagt	ccgggtttgc
72961	ttcaaaagca	tcgggggttt	tttgggtttt	gcttccctta	aaaaaaaact	tgttttgaat
73021	gaggggaaaa	aggcgtagtt	aatttttata	cagaaatctg	ttaaagagat	ctgatcaatg
73081	gtgacaaaaa	ggaagccaga	gatggaaaag	attcactgtg	aggctctggc	actgaaggcc
73141	aacttgggct	tccattcagt	tcaataataa	tatttatcat	agctgctaac	aatttttttc
73201	tcttttttga	gatggagttt	cactctgggt	gcccaggctg	gagtgcaatg	gcgtgacctc
73261	ggctcactgc	aaacctccacc	tccccagttc	aagtgattct	ccggcctcag	cctcctgagt
73321	agctgggatt	acaggcatgt	gccaccatgc	ccagctaatt	ttttattttt	agtagagatg
73381	gggtttctcc	atgttggtca	ggctggtctc	aaactcccaa	cctcaggtga	tccacccgcc
73441	tcagcctccc	aaagtgtctg	gattacaggc	gtgagccacc	acaccagacc	aatagctgct
73501	aagacttacg	caggtttaca	tatgctaggc	attgctctct	gagcttatat	atattaacct
73561	attccatctc	tatctatgag	gttgggattg	atataatccc	cactttacac	ccagagaggg
73621	taataacttg	cccaaagtca	cacagctaatt	aagtgacaaa	gctaggcagt	ttggctagag
73681	tctgtgctct	taacaattat	accatattgt	ttcctagtaa	gcatttctta	tgcccgtact
73741	atgtgctggg	caccatgctg	gacaaaagga	gtactgagat	atataaaaac	cgggtacaca
73801	cataacaggt	tctagtcocat	gcaatgatga	gaatcataca	ggcattctga	ggctctaattt
73861	cagaacaaaa	cgttagaaaa	ctgcctccac	acatctggac	attaagacta	aaatgcagtg
73921	cctgttttct	cattggtatt	attctattca	atagagtcaa	ttttaagact	aagcattcct
73981	tgacacccca	cccatccttg	ggtcatgaaa	ctcaataaag	ctctcttcat	tttgattgga
74041	ggggggaaaa	ttccccgtaa	atatgttttg	ttctttttcc	tgaatcaccc	ctctgtgtga
74101	aaaggattgc	ttaccactga	tctaaccagg	tcttgaatac	agggtccttc	agaggtacaca
74161	agaagccag	gtgttcagg	tattaaaaaa	tgaagaaatg	caaagcagga	ttacaacatt
74221	tttggcacat	tatagatcct	cacacaacaa	atttacattt	tcacacacac	tcacgcacaa
74281	acacacatac	aaagtcaaat	acacaatgta	aaataattat	gatcacacaa	ggatgatagg
74341	ctctacattt	ttaaatattg	actcagaatg	ccctgggaat	gacgtggtca	aggcacagac
74401	tgctgatttg	acactttgtg	atgaacatct	tggtgcacat	ataatctagt	gcacagataa
74461	tgtcaaagtc	tcattagaat	cctccatgga	accaggatat	gtgggtcata	cctgtaaatc
74521	ccagtagttt	gggagggtcaa	ggccagacga	tcacaaccag	gagttcaaga	ccagcctggg
74581	caacatagtg	agtccctgac	tctacaacaa	atttaaaaaa	tagccaggcg	tggtgggcacc
74641	cgctctgtag	ttcagctact	tgaggatcac	ttgagcccag	gaattggagg	ctgcagtgag
74701	ctataatcgt	gccactgcac	tccagctctg	gtgacagaga	aagaccttgt	ctctaaaaag
74761	aagcctccag	gaatgggaaa	cccaagttaa	atcagctccc	actccaccct	aactcccttc
74821	ctaagccttc	cttaagggaa	aaagaacaaa	atactgagcc	cagtagtaag	gaaagaacag
74881	tgaaagcccc	agttaggaaa	ccatgaagaa	gaagaaatga	ggtacacagg	gagaaaacgt
74941	ggatgaaaac	cctagactat	ggccaccaac	agacccaagc	tagccagggt	tagacctctg
75001	tgacacctag	aggtcaagtc	caagagtgca	gctgaagtta	cgaaaggcag	gcaggaaactc
75061	aatcagctac	ctacttgctc	acgagctagc	cctccccagg	cctggcatct	atgcttacct
75121	cctggcccac	tcctgctggc	ctctccacag	gcacagggtg	ggccctaaac	accaggaatc
75181	ttctaattgt	tgctgccttc	tcccacgtct	gtcccatttc	ctaggagtta	atcatggtgc
75241	ccattgcaac	atggcaccca	atgccacttt	ccagagttag	gtgacgtcca	attccaagac
75301	ctggaggata	aaaggtatta	aagctcctgg	gaccacagaa	gagacagggc	agaaagctgg
75361	tggaaaacca	tctccaacat	ctgtttcttt	ttctgttaaa	atctatccac	tgtgtgaatt
75421	gccaaaggaaa	gttaagattc	ctgttctgaa	acgagaaggg	ttctcttttc	acatgacacc
75481	tgacagaagat	gggaaacatg	atacccctct	cagatcacag	gacaccggct	ccctgtaaga
75541	ggatacccca	acccttgtca	gtgcagcacc	cggcaggggc	atttttacat	ttttctcttc
75601	ttgctgaagg	gcctccagaa	aggccaccag	ggctttcccc	aagagtataa	ttctccccag
75661	ctccctagga	ggtctcactg	cccaccaccc	ctttatttag	ctaagtagca	gagtttttat
75721	tttactgttt	attttatttt	attttatttt	attttatttt	attttatttt	attttatttt
75781	agacagtctc	cttctgtcac	ccaggccgga	atacaatggc	atgatctcag	ctcactgcaa
75841	cctctacctc	ctgtgctcga	gcaattctca	tgtctcagcc	tcccagatag	ctgggattac
75901	aggcacgtgc	caccacaccc	agctaatttt	tatatatttt	gtagagatgg	ggtttcacca
75961	tggtggccag	gctagtcttt	tttttttttt	tttttttttt	ttgagacgga	gtctcactct
76021	gtcgcccagg	ctggagtgca	gtggtgcgat	ctcggtcac	tgcaagctcc	gcctcctggg
76081	ttcacgccat	tctcctgcca	cagcctttgg	agtagctggg	actacaggcg	cccgccacca
76141	gcgccggcta	atttttttgt	attttttagta	gagacgaggt	ttcaccatgt	tagccaggat
76201	ggctgaatc	tcctgaacct	gtgatctgcc	cacctcgcc	tcccaaagtg	ctgggattac
76261	aggcgtgagc	caccacgccc	agcctaggat	agtcttgaa	tcctggcctc	gagtaatctg
76321	cctgcctcag	cctcccaaag	tgctgggatt	atgagccact	gcacccagcc	agtagcagag
76381	tttttaaata	acttccagag	ccctttactg	gagacacacc	caagaagatg	ggctcttatt
76441	cttcccacag	aggactatag	accatcaact	aaattcactg	gctcctactc	aagctataga
76501	aagctgagga	ggaccttgga	acatcctctc	taaattcctc	ccctagtctc	agtcaggta
76561	aacaaaaatt	gattctattt	tttcaaaaaca	ccagcccttt	cagatggcct	ggttaatctt
76621	cattaacatg	ttatcttcat	taacatgttt	atcttcatta	acatatttct	cagtataaag

## FIGURE 3-U

76681	aagggccag	ggttcaacat	cccactttgc	atccatgcag	acaagggctg	tgggaagctg
76741	taaaactgaa	gaggcgggtga	atccaggagg	gattccccag	atatccgtga	gttggtgttt
76801	gactttcttg	aacacgtctt	tcctttactt	tacacttaca	cttactgagc	attcactctg
76861	gaccagaccg	cgtcctaaga	gcttcacgtg	tgtggtcatt	caatcctcaa	accaatccta
76921	tggggtaggt	actggagtta	agtgatggcg	ctgggatttt	aaccagaag	tctgattgca
76981	aagcccaact	taccatgagg	gccacgacat	atgtctctac	ttacggattc	caccagtact
77041	cttgacagga	gcatttacct	cactatatta	taagccttga	tctacttttc	tatctccctg
77101	aagcataatc	agccataatc	tgctaaccgt	gcctcagttt	tcatttctct	ttctattttt
77161	ttttcagcgg	gggcagggga	gacagaatct	tgctctgtca	cccaggctgg	agtgcagtgg
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77281	ctccccagta	gctgggatta	caggcacgta	ccacctgccc	cagctaattt	ttgtattttt
77341	agtagagacg	ggctttcacc	atgttggcca	agctagtctt	aaactcctga	cctcagggtga
77401	tccacccgcc	tcagcctccc	aaagtgtctg	gattaaaggt	gtgagccacc	gcccagcctc
77461	attctccttt	ctttattttt	atgatagcct	ctaccttgag	tttcacccaa	gcctatggcc
77521	atctgctcca	aactacatct	cccaacatcc	cttggtggcca	ggtgtggcca	tgggcctaag
77581	ctaagccaat	gggatatgag	tggaagctcc	ttaatgacaa	gctacttgcc	tttgattttc
77641	acctcctgct	tctcacatcc	tgaaatacac	acttaaggat	acaaaataga	ctaaaacctg
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77761	ttatttgaca	aataaataaa	cttctgtctt	atthagcttt	tttaattttt	tttatttttt
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77881	cggctcactg	caacctctgc	ctctctgggt	caagcgattc	tcctgcctca	gcttcccaag
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78121	gccattctat	ttggggacct	ctttgttata	gcagcttagc	ctgtatgctg	gattcagcac
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78241	ggaactagat	agttgctcag	taattatttg	ttagctgaat	gaaaacacca	ttatgttaag
78301	caggtagtac	cagggctaaa	caaactgatt	tactcaagct	gtgcagggtg	cccgatatcca
78361	ggtgactaca	atgtttcctg	ctttcctgga	aaacaggagt	tcaggacaga	gagagttagt
78421	ttaggaaagc	atttgcaata	ggaaaggggt	aagctttcac	tgcatctgtt	gttggtctct
78481	tgctgagaca	acagattttg	ggcttaatat	aaagttagct	gaggttactt	cttgtctgat
78541	aaaaataatg	ggctccattt	gagcacttac	tgtgtgccag	gttctgtact	aagcgttca
78601	catacattat	ggcattcatt	ttcattcaat	tctcacaata	accctacaag	gtagaaaata
78661	ttaatatctc	cagatgaaca	aaccaggccc	ccaaaaaagt	taaataactt	gccctagctg
78721	catggctcgt	tagtgacaaa	agtaaaattc	aaaccacaag	tgtttgagcc	taaaacttact
78781	ctcttcataa	ccaatctgcc	actctgcttc	tcttctgtg	tgacaagcca	atattcccca
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78901	ggcacggagc	ttccactggt	ggctgtgaca	cttcttctct	gtgcatgatt	ggtgaggggt
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79081	cactcttctg	cccacgctgc	tgccgcccac	atcttgagca	gcaccccccg	gggcccgcct
79141	cctgctgtgc	tttgtgtaca	attcctggca	ggcccgccag	ttctctagc	taaaagcggc
79201	aaggtccaga	cctgcccgtc	tggcctggta	atgggtgtgt	ccacatttca	cctcccacct
79261	tcaccctaac	ttcatcctca	tggccattct	ttatccacaa	caactccttc	ctcccatttc
79321	cctagactca	gcaaagcagt	caggagctag	gcaaggtggc	ctttatccca	gaggttgagg
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79861	gggctcacct	ccccatgtgg	caaattggct	gggttgaatg	tgaacatcct	ccctggaagg
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79981	tattcttctg	ctcctacagg	tttatctggc	ctgactagcc	cccagaggca	ttggagtttg
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80461	tgtgtgtgtg	cgcacgcgca	tgtgtgtacc	catgtgaact	cgctcatgca	tgtgcttcta



## FIGURE 3-V

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80641	ggttgccata	gtggaatgaa	gattcagggg	tgccagatct	ttcaactttt	caagaagcca
80701	ggaatataac	ttagaagagg	ggagcaatgg	tctctaaaga	cctgtgctga	gaacaagtt
80761	cctaagtgtc	tgggagaatt	tatgaggacc	aggtgctaga	gaatgccggg	aatgaacgc
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81661	ccctttttgga	gacgcagaag	ctaagagggtg	ccgcaggtag	gtgaagggaa	ggcaggaagt
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81961	ttaagacaac	tggacttgtg	ctcaaaaacc	cttctttagt	aaaacaaccc	gtaggagtct
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82201	actttctacg	gctcacactc	tgatcacagc	ctgtcgccat	gattggcaat	aaacgtcaca
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83461	tactgccaac	cctcatgtca	ccatctacaa	tgtaccacgt	caagaaagga	caatatcttc
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84121	gttagaaact	caggaaatgg	agacctgacc	tcaaagggcc	ctttccagtc	ataaagtaat
84181	tagaaataaa	ataaaaaacag	gttgaagtga	taagctgata	agaaaatcca	atttgtttcc
84241	aaaattgttc	acttacagct	gtttttctca	tgaatatagc	tatagttgtc	atcagcaaat
84301	cagtggcttg	gaattcgaaa	ggagtgaaaa	tatacatcct	gggtctcttg	aactcctagt

## FIGURE 3-W

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84481	cagcacaaatc	cttaaagtca	ccagaggag	cccaaatttg	cgacaaacca	gaatgctttc
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84601	tagaaacgaa	gggaagtagg	ctaagaaaat	cctcaccttt	aatattaata	agacttgtgc
84661	agtccccgga	tgatcagagc	ccagactaca	taggacttga	aagaaagaat	gagactttga
84721	tatggaatat	gaaaaagtaa	caggtaggag	gggtggagag	accaaactga	gaggcctagg
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84961	ttgagcccat	gctatacctt	cttttcaaaa	gagatttcac	atgtaccatc	tcatctgtat
85021	tcttggagag	atagtagccc	attatgagtg	gctccaattt	acagaaaaag	taactaaggc
85081	acagagtggg	gatctaccca	ggacagcatg	gtctgtagaa	gaagcattgg	tctgtttagt
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85321	accaagccaa	cctcagagtc	ccactggcca	aggggatggt	gggggaggca	aaggattcta
85381	ctggggcagt	atgtaaccca	catataagtt	ccatccaaag	caacgcttcc	aaacctagct
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87001	gttaaaaaact	tacttaaaaa	gcaaaagttt	aaacatggtt	ccatctgcaa	ctaggaactg
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88081	ccagccccac	aggcaccctg	actagctgtg	ggatcttagc	aagtgatttc	aacttgtggg
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## FIGURE 3-X

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88321 aagagcctta ggtgtccctt cagggtctaaa atactactca gagattcctt ttgaacatgc
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89101 ggttctctgc agcttcctcc cccccccccc ccacaccatt cccccctaac cttctggaat
89161 cacgtgttgt atctatttgt acattccagt gccaggcca tccctcttcg accttacct
89221 ggcccagggg acagagcggg tgggcctgag caatgctccc acacacctcc gctcaaagtc
89281 agctgtttgc tgtagaggta gaacagcttg actactgggg gcgaggggtca cagttcactc
89341 attccccag caaatacgga gccagatgct ggggactcag cagtgaacaa gaccaaattg
89401 ctaccttcac agagttttca tgctagagaa ggagccaact ataaatgtta tctcccatcc
89461 ctcccagatt tagggccagg ggtatattca ccaagacatt cctgaatcac ctgggatctt
89521 gtcccaaata atttaaacct gaaagacatg atctagtgcc aagagctaga ataccacca
89581 actacctatc ccaatccagt tccccattta actgacaaaa aaaaaaaaaa acagaaatgg
89641 tgtaagccca ccatgtaagt aaacataagt aaacagtggc agaggaaagg gtaccagac
89701 ttcactgtgg caggcccacc tgggaccaca ttcagaattt ttacaagctt Wgctgcatg
89761 ttgaccaaaag ttctcccac ttttttcat ttgcttgaat ttcactttta tttttattaa
89821 catcttttgt tttgttttgt tttgtttttg agacagggtc tcacctgtt gccaggcta
89881 gaatgcagtg gcacaatcat

```

## FIGURE 4-A

>4:68275001-68368000

1	caaagaaata	aaagtaaaaa	aaaaattaaa	aatgactcaa	taaaagagaa	atcacaaatag
61	aaaattataa	agtataaaaa	aagagccatc	acacttcatt	cttcctaagt	cctacaccag
121	agttgcttta	aatgtgtgta	tttaatgggt	aaataagacc	tgaaaaggga	gttggcctaa
181	aaatatTTTT	accgtRaaac	atcaatttct	tcagagttaa	tgagaattat	atgctaacca
241	taccaaaaaac	cttgattaga	atTTTTgct	tagatgtatt	gattgatatt	aaaaaggga
301	agttgaggcc	acatacagaa	agcaatggcg	aaggacactg	cctccaacag	aaaatatgaa
361	ccaaaaagca	taatggaaaa	acattttacat	gtaatatata	aaatagatgt	catgccaca
421	cagacacaca	aggtgagaat	accatgtgat	aatgcaagta	gattgaaatg	ctaccgggtgc
481	aagccaagga	atgccagaaa	ttgccagtaa	accaccagaa	gttaggaata	aggaaggatt
541	ctctccctta	caggttttca	aagacatcac	ggccttgaca	acaccttgat	ttcagacttc
601	tagcctctag	aactgagata	ataaatttct	gttgctttaa	gtcactcatt	ttgtgggtatt
661	ttgttacagc	agttctagga	aattaatata	aacatgcctt	ttaccacagt	tctctcccat
721	tggattatTT	ataataaaat	gattttaaata	tagtatttgg	aaaagatggt	ttttaatgag
781	tagacataatt	aatcagggtct	cttttgacac	agaaatgttc	tatatTTcat	tttcatattc
841	ttgtcaaatt	ataaaaaata	tatcataaat	atggacatcg	ctacaagcta	ttatgtacag
901	tactgaaaa	atcagaaaaa	acatgtgagt	tagaaatggt	tatcaaatac	aagtctacag
961	aaaactgaat	aaaattttta	ttttaaaaa	tcacaagtaa	ttacaaagac	aaatattcca
1021	actatacaaa	ctgtttttca	catatacata	tatacatata	tatatTTaag	gttgggtgat
1081	ctttcatctt	tttatctgag	taaaaagaag	aacactttcc	tcattccgga	gatttttgat
1141	gttataaatag	ttacctaaaa	gtaaagtgat	aagaaaaata	aaattattta	catatgaatc
1201	attctTTTTg	attaagtatg	tagtcatcac	ctgacagttg	tagtatagga	cacaagataa
1261	aaacaattca	cctaaccctaa	agtaacttat	ttaattccat	gaactacatc	aacagctaac
1321	catgacacgt	gatccagatg	aggcttgaga	gaacagaaat	ataaatttca	catcgttatg
1381	aaaataaaaa	cggagatgaa	tcagtcgaga	gtgtaagaaa	agaaaatctc	tttctgaaac
1441	caatctttat	taggtctaca	gaactgtgt	ggattcctct	aaccagacat	actcatatat
1501	agatgaatat	aaaagggtaca	atgttaagta	gaataaaatc	tcaaaatttt	atttattttac
1561	ttattTTTTg	tttttgTTTT	ttctttttct	ggagaacggg	gtctcgctat	attgcccagg
1621	caggtctcga	actcctgggc	tcaagctatc	ctcccgctc	ttgcctccct	gagagctggg
1681	attacaggca	tgagccaccg	cgcccgcca	aaatctcaaa	attttaaaaa	ggcaaagtgt
1741	actcttaaat	aaatgaggta	aaaataaaca	gcaaaagtga	aatacagatg	gaccgcaagt
1801	atcacatgtg	acaggcttat	tagaattgag	tactatcact	gtgactttct	atatattaga
1861	aattgagaaa	gtattcacaa	cagtgctgac	atactaagga	ttatgcaagt	atggctatta
1921	ttattgtctc	cttccaacag	aatgtaagct	ctataaaagc	agggattttt	gcctgttttt
1981	tcattttatat	atcccaaata	ttgcagcaat	acatggacat	agtagacact	ttgttttgtt
2041	tttgTTTTtg	agacagagtc	ttgctctgtc	accaggctg	gagtgacgta	gtacaatcac
2101	agctcaccgc	aactttgaac	tcctgggctc	atgcagtcct	cctgtcccag	cctcccagaga
2161	gctaggacta	taggtgtgta	tcaccgtgcc	tggttaactt	ttgcattttt	tgtagacaca
2221	gggtcttcct	aggttgccca	ggctgggtccc	gaactcctca	cctcaagccc	tcctcagcct
2281	ctcaaaatgt	tgggattaca	ggtgtgagcc	actgcacctg	gcccatagta	gtctcttaat
2341	catacttggt	gaatgagtg	atgaattgaca	agtggattaa	aatgcctatt	tacaataact
2401	tctgctgttc	gatagctgat	gaagcatacc	attcttgaaa	cagtttaaaa	taatgttcta
2461	aaaacataat	ttcttagaga	taacatgggg	taaataattt	ttgttctcct	ctgtaataca
2521	acatatctgc	tgactatata	cataaatgta	tttttttttt	tgagaccgag	tctcactctg
2581	ttccctaggc	tggagtgcag	tgggtgcagtc	tctggtcact	gcaagctcca	cctcccagggt
2641	tcatgccatt	ctcctgcctc	agcctccaga	gtagctggga	ccacagggtg	ccgccaccac
2701	gccagctaa	tttttttgta	tttttagtag	agatgggggt	tcactgtgtt	agccaggatg
2761	gtctcgatct	cctgtccttg	tgatttgccc	actttggcct	cctaaagtgc	tggattaca
2821	ggcatgagcc	accatgcccc	gccaatattt	tcataattcag	tagtaaaaca	ctcttgttct
2881	catgtatcaa	aacactaatt	ggttgggcac	tgtggctcac	acctgtaatc	atagcacttt
2941	ggaggccaag	gtgggcagat	cacttgagggt	caggtgatct	gttacggcta	acatagcaaa
3001	atcccgcttc	tactaaaaat	acaaaaagta	gccggatgtg	gtgggttcgtg	cctgtagtcc
3061	cagctactcg	agagtctgag	gcacaagaat	cgcttgaacc	caggaggtgg	aggctacagt
3121	gagctgagat	cgtgccactg	cactccagcc	tgggtgacag	agcaagactc	tgtctcaaaa
3181	acaaaaaaaa	accaccacaa	aatgctaata	cacttaccta	atgatcaaat	gaaaggaaaa
3241	tactgtacca	actgttctga	catccatcag	tcataatcaca	cttcattttg	accactgtgg
3301	cttccatttc	catagtgcc	aaaaacaact	atatacatgt	tgtctaagtg	aaataaattg
3361	tcttacctga	aggaacatag	aacgaatccc	cagtacttaa	tatataaggt	gtttcatgta
3421	aagtacacaa	aaggtcacca	aagttaacat	aaaaaacctg	taaaaataaa	aataaaaaatc
3481	tcattcaaaa	ctgaaccatg	ataactttc	aaaggaaact	taaaatgtag	tgggaagaat
3541	aacgactccc	cacaaatgtg	ctggctttta	tctccagaac	ttgtaaaatac	attaaatttc
3601	atggcaaaag	ggaccttgag	atggggagat	tatctttgat	aatgtaggta	ggcccaatct
3661	aatcacatta	agcccttaaa	aatagagtac	tttctcctgc	tgggaagcaga	gaagaaacga

## FIGURE 4-B

3721	aagagaagga	acagtcacag	aaatttgaag	catgaaaggg	acttgcaccg	ttgctggcac
3781	taaagatgtg	gggcatatg	ccaagaaaca	tgagttattt	ctaaaatcta	agaatgacac
3841	cctggccaac	agccagtga	gaaatgggaa	cctcagtccc	acaaccactt	aaaactgagt
3901	tctgccaaca	gtctgaacga	gactggaagc	agactggaag	cagattcgtc	cttacagcct
3961	ccagaaagaa	atacaaacct	gtcaacatct	tgattccagt	cttgtaatac	tctaaagaga
4021	atacctggtc	aagctcatgg	ttctctctac	ataactgtga	gatagataat	acaagagtat
4081	tgtttcttgt	tttttgagat	ggagtctcac	tctgtcatcc	aggctggagt	acagtgaggc
4141	gatctcggct	cactgcaagc	tccgcctcca	gggttcatgc	cattctccag	cctcagcctc
4201	ctgagtagct	gggactacag	gcgcccgcca	tgcgcctgg	ctaatttttt	tttgtatttt
4261	tagtagagac	ggggtttcac	catggtctcg	atctcctgac	ctggtgatct	gccgcctcg
4321	gcctcccaaa	gtgctgggat	tacaggtgtg	agccaccgcg	cccagcccaa	gagtattaa
4381	ccattaaatt	tgtagatacag	tcatgcactg	cctaacgatg	tttcagtcac	cagcaaacctg
4441	cctacatgat	agtggtccta	taaggttaca	atggcattta	aaaaatcgta	ttgcctagt
4501	acctcacagc	catcatgatg	tcccagtga	aagcattact	cacatgtttg	tggtgatgct
4561	gatgtaaata	aatctactga	actgccagtc	acataaaagt	atagcacata	caggaaaaag
4621	tgaggatag	aaagtaggac	taacttgcag	ctccactca	gatggacaga	acagcatgtg
4681	gaaactcaca	tcatgaactt	ttttgccaga	agaactactg	caggaacata	ccaagaaaac
4741	tgaagaatt	cacagactct	ttgaaagaaa	tggttgctg	ctgcaaactc	catgagacag
4801	ctgaacaacc	gtgagtggcc	aaagtgtgaa	aggggggaaa	gtctgcctcc	aaacacatcc
4861	ttactgggga	agctgaaaat	ccaggtcatg	agagaaggat	ttaaccttac	ctagagctga
4921	aacgaattga	gagagccaag	ggaaatataa	tagtagaagc	agaggcagga	agagccctgt
4981	taagtactcc	tggtttccaa	ggaaccctaa	ggaagccatt	tctgacttta	tctatagggt
5041	ttccttgggg	atggctgcca	gtggaactgg	gggaggacca	cagaaagaag	gaaacttcca
5101	gctgaacttt	aaataatttt	gatgaagcgt	gaattttcct	gggcagaatt	gggggaagg
5161	cgaataggaa	gttcagatac	aagccagggt	aggcagcaag	gggcagggcc	tgaagccca
5221	gcttgtcttc	tcagcaggga	gacttatagc	ctagcgcaaa	atgtcagtc	tgctcactgg
5281	ctgtctggat	acaaacttgg	tttggtaggg	cacagttaga	gtgagactgg	ctagcctgg
5341	ctgcttggga	gctgggtgag	gccagtctgc	cagcttcccc	cacttctctg	gtgaccagta
5401	tgatgacta	gagacagcca	taatccccct	gggaacataa	ctccagtggc	ctgggaacca
5461	tattttcatc	ccctacagt	gtcacaaaaa	gctcagccca	aggagagtct	gagctcagac
5521	acacctaate	aatcctacct	gcacctgatg	gtctttctct	aactgccttg	tagcctaaga
5581	caggctactat	aaggccccac	ccatcacctg	agaaacctga	atacttacc	aggcaacctg
5641	tggaacactt	gtatcagcag	atgctctctt	gaaagtacca	tctcctggct	ggtggccagc
5701	cacctgctag	cacaaccaat	attaaagaaa	accagcacac	taaacaaaac	tacaaccaa
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5821	atggctgaga	gacctgaaga	cagatcata	cacaagacgc	tttgaggca	cttcccagta
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6121	aggttcttta	acacccccaa	aagatcatac	tcgctcccta	gcaatagatc	caaacaata
6181	aatctctgaa	ttgccagaaa	aaataattcag	aaggttgatt	attacattac	tcaaggaggc
6241	accagagaaa	gatgaaaacc	aacttaaaga	atTTTTTTTT	aaaaatacag	gattttgatg
6301	aaaaaatctc	gagagaaata	gatagcataa	ataaaaaaca	atcacaactt	ccagaaatga
6361	aaggcatact	tagagaaatg	caaaatacat	tagaaagttt	taacaataga	atcgaacgag
6421	tagaagaact	tcagagctca	aaaacaaggc	ttttgaatta	acccaatcaa	agacaaagag
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6541	accacacata	agaataattg	gtgttctctga	ggaagaagag	aaatctaaaa	gtttggaaaa
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6841	ccctacaagc	tagatgggac	tgaggtccta	tctttatcct	ccttaaataa	aaacaattatc
6901	agccaagaat	tttagtatcc	agcaaaacta	agcttcataa	atgaaagaaa	gataaagtct
6961	ttttcagaca	aacaaatggc	gagagaaatc	cccactaaca	agccagcact	acaacaactg
7021	ctaaaaggag	ttctaaatct	tgaacaaaaa	actcaaaata	tatcaaaata	gaacctcctt
7081	aaaggataaa	tctcccagg	tctataaaac	acacacacac	acacacacac	ctcacatctc
7141	acacacccaa	agtattcagg	caacaactag	cacaatgaac	agaacagtac	ctcacatctc
7201	aatactaaca	ttgaatataa	atgacttcaa	tgctccactt	aaaagataca	gaacggcaga
7261	atgcataagc	attcaccaac	aaagtacctg	ctgtcctcaa	aagactcact	taacacataa
7321	ggattcacat	aagcttaggg	taaagaagta	gtaaaagata	ttccatgcaa	atggatacca
7381	aaagagagca	ggagtagcta	tctttatctc	agacaaaaca	gacttttaag	caacagcagt
7441	taaaaagaca	aagaaggcca	ttatgtaata	agaaatggac	tagtccaaca	ggaaaatatc
7501	acaatcctaa	atatatatgc	acctaacacc	agagctccca	aatttataag	acaattacta

## FIGURE 4-C

7561	ctaggcctaa	gaaacgagat	agacggcaac	acacttatac	tcaaggctctt	caatacccca
7621	ctgacagcag	taaacagggtc	atcaagtagc	aaagtcaaca	aagaaacaat	ggattttaaac
7681	tatacactgg	aacaaatgga	cttaatagat	atttacagaa	catttctaccc	aaaaactgca
7741	gaatatacat	tctattcatc	agctcatgga	acattttcca	agatagactg	tatgagaggc
7801	cacaaatcaa	gtctcaataa	attttaagaaa	acaaaaatta	tatcaagtac	tctctcagac
7861	cacagtcgaa	taaaattgga	agtcaactcc	aaaatgaacc	ctcaaaaacca	agcaaataga
7921	tggaatttaa	ataatctcct	cctgaatgat	tggttgggtca	acaatgaaat	aaagatgaaa
7981	attgaaaaat	tctttgaact	gaacaataat	agtgacacaa	tctatcaaaa	cctctaagat
8041	acagcaaaag	cagtgcctaac	aggaaagtta	atagcattaa	atgcctccat	caaaaagtct
8101	gaaagaacac	aaatacacaa	tctaaggtca	cacctcaagg	agctagagaa	ataaaaacaa
8161	acaaaaaccta	aacccagcag	atgaagatca	ggccatttgg	tagaactaaa	tgaaaatata
8221	atcagaattg	atagaccatt	agtgaagtta	acaaagaaga	cagaagatcc	aaataaactg
8281	aattagaaac	aaaatgggag	atattacaac	caataccaca	gaaagacaaa	agatcattca
8341	aggctcgtat	gaacaccttt	atgtatacaa	accagaccta	gatgagacag	ataaattcct
8401	ggaatatatac	aactccctag	atataaccag	gaagaaatag	aaactctgaa	aagaccaata
8461	acaagcaatg	agattgaaac	ggtaataaaa	gaattgtcaa	caacaaaaaa	agtccaggcc
8521	gggtatatgtg	gctgatgcct	gtaatcccaa	cactttggga	ggctgaggca	ggtggtattgc
8581	ctgggggtcag	gagttcaaaa	ccaggctggc	caacatggca	aaaccccgtc	tctactaaaa
8641	atacaaaatt	agccagaatt	ggtggcgcat	gcctgtaatc	ccagctactt	gggaggctga
8701	ggcaggagaa	tcacttgaac	ctgggagatg	gaggttacag	tgagctgaaa	tcgcaccatt
8761	gcactccagc	ctgggcaaca	agagcaaaac	cccgtctcaa	aaaggaagaa	aagaaaaaga
8821	aaaaaaaat	tccaggacca	gatggattca	cagctgaatt	ctatcagaca	tcaattttat
8881	ctatcagaaa	agagacaaat	tcttggaat	acacaacctt	cttagattaa	accaagaaga
8941	aatagaaact	ctaaatagac	caataataag	cagcaagatt	gaaaaggtaa	taaaagaatt
9001	gtcaacaaca	acaaaaaagt	ccaggaccag	atggattcac	agctgaattc	tatcagacat
9061	tcaagaaga	attggtacca	atccaactga	aatgattcca	aaagacagag	aggagtcaat
9121	acgcaagtca	ataaatgtga	aataccactg	aaacagaatt	aaaacccaaa	aatcacatga
9181	tcagctcaat	agatgcagaa	aaagcatttg	ccaaaatccg	gcattgcttt	atgattaaaa
9241	ccctcagcaa	aatcggcata	gaaggagcat	aactcaaggt	aataaaagcc	atttatgact
9301	aaactacagc	cagcatcata	ctgaacaagg	aaaagttgaa	aagtttctcc	tgagaactga
9361	aagaggacaa	ggtatgcccac	tttcaccact	tctattcaac	atagtactgg	aagtcctggc
9421	agggcaaatc	ggacaaagga	aagaaataaa	gggtatccaa	actagaaaag	aggaattcaa
9481	actggttgctg	tttgccaatg	atatgatcat	atagctagaa	aaccctagac	tcatccaaaa
9541	agttcctaga	tctgataagt	gaattcagta	aactttcagg	atacaaaatc	aacgtacaca
9601	aatcaatagc	tctgctatac	accagcagcg	accaagctga	gaaacaaatc	aagaactcaa
9661	tcctctttac	aatagccaca	aataataata	ataatttggg	atatacctaa	ccaaagagat
9721	tggaatcat	agacgacata	aacaaatgaa	aacacatccc	atgctcatgg	atgggttagaa
9781	ccagtattgt	gaaaaatgaca	tactgccaaa	agcaatctac	aaattcaatg	caattcccat
9841	caaaatacta	tcattcattct	tcaaagaact	agaaaaagca	atcctaaaat	tcattatgga
9901	accaaaaaag	ggcctgcata	gccaaaggga	agactaagca	aaaagaacaa	atctggaggc
9961	atcacattac	ctgacttcaa	actatactat	aaacatatag	ttacccaaaac	agcacagtac
10021	tgaaatgaac	ataggcacat	agaccattga	actgaataga	gcctagaagt	aaagccaaat
10081	acttacagcc	aactgatctt	caacaaagca	aacaaaaaca	ctaagtaggg	aagggacacc
10141	ctattcaaca	aatggtgctg	ggataaccag	taaggcacaa	gtagaaaaat	aaaactggat
10201	cctcatctgc	caccttatac	caaaatcaac	tcaagatgga	tcaaagactt	gaaactaaga
10261	cctgaagcca	tgaaaattct	aaaagataac	atcagaaaaa	cccttcacga	cattggctta
10321	ggcaaaagact	tcatgaccaa	gaatccaaaa	gcaaacacaa	caaaaacaaa	atagatggga
10381	cctaattaaa	ctaaaaagct	tctgcacagc	caaagaaata	attggcagag	taaacaggca
10441	acggcagagt	aaacagacaa	cccagagtga	aagaaaatat	tcacaaactg	tctgtgcaac
10501	aatggaataa	tatccagaat	ctacatggaa	ctcaaacaaa	tcagcaagat	aaaacccaaac
10561	aatctcatca	aaaagtgggc	taaggacatg	aatagacaat	tctcaaaaga	agatatacaa
10621	atggccaaga	agcacacaaa	aaaaatgctc	aacaataact	aatgataagg	aaaatgcaaa
10681	tcgaaaccac	aatgagatac	cacctcattc	ctgcaagaat	ggccataatc	aacaaatagt
10741	agatgttggc	ctagatgcag	tgaaaaggga	acaattttac	actaatgggtg	ggaatgtaaa
10801	ctagtacagc	cgctacagaa	aaccttagta	gagctaaaag	tagatctacc	atttgatcca
10861	gcaatccccc	tactgggtac	ctactcagaa	gaaaagtggg	tcatttatatg	aaaaagacac
10921	ttgcacacgt	acatttatag	cagcataatg	tgcaactgca	gaaatacggg	accaacccaa
10981	atgcctatta	atcaacaagt	agataatgtg	gtatacatgt	accatagaat	agtactcaac
11041	cataaaaagg	aatgaaataa	tggatggtat	ttgcagcaac	ctgcatggag	ttggagacca
11101	tatttcta	aaagtaaccc	aggaatggaa	aaccaa	tgatgttct	catttataag
11161	tggggactaa	gctatgagga	tgcaaggga	taagaatgat	acaatgggact	ttgaggactc
11221	aggggggaag	gtggggaggag	gagaggtata	aaagactaca	cggtgggtac	agtgttctact
11281	gttcagggtga	taggtgcacc	aaaatctcag	aaatcaccac	taaaataata	atctcttgta
11341	atatgggttg	gctttgtctc	cccacccaaa	tgtcaccttg	aattgtagct	gccataatcc

## FIGURE 4-D

11401	ccacatgtca	tgggagggac	ctagtgggag	gtagtgtgaat	catggggggca	gttaccctca
11461	tgctgttctc	atgagagtga	gttctcacaa	gatctgatgg	ttttataagg	ggcttttccc
11521	cctcgcttgg	caattctcct	tgctgccacc	atgtgaaaaa	ggacatgttt	gcttcccctt
11581	ctgccataat	tgtaatgttc	ctgaggcacc	cccagcccca	cagaactgtg	agtcaattaa
11641	acctctttcc	tttcaaaatt	acccagtctt	gggcagttct	ttataggagt	atgagaaggg
11701	actaatacat	cctgtaatcc	cagctacttg	agaggctgag	gcacgagaat	tgcttgaacc
11761	cgggagggcag	aggctgcagt	gggctgatat	cgtgccactc	cagcctgggg	acagtgggag
11821	actctatctc	aatgaaagaa	aaaaaaaaat	tatctatgta	accaaact	acttgttctc
11881	caaaacctat	tgaagtataa	aataaaatat	aacacaat	tgtgtggtac	aaaacacttg
11941	gtaatgataa	taaacaacta	tgccactggc	ttatgtat	actatact	tatccattac
12001	cttagagtgt	actcttacca	cttatataaa	aaaaaaaaaa	gttaactgtg	aaacagtctc
12061	aggcaggtcc	ctcagtaagt	attccagaag	aaaccaatgt	tattatagga	gatgacagct
12121	ccatgtgtgt	tactattccc	aaagacctta	cagtgggaca	agatgtggta	gtgcaagaca
12181	gtgataatga	tcctaattct	gtgtagccca	aggctgatgt	gctgtttgtg	tcttactttt
12241	taacaaaaaa	gtttttaaag	ttaaaaaaa	aatagaaaaa	agcttataga	ataaggaaat
12301	aaaatat	tgtacagcca	aacagtatgg	ttgaatttta	agtattacaa	aagagtccaa
12361	aagttaacaa	caacaacaaa	aggataataa	gtgaaaatgt	tacagttaga	tgaggtttat
12421	tactgaagaa	agaaaaattc	tgtttatgaa	tttagtgtgg	cctaagtcta	cagtattttat
12481	aaagtctaca	gtagtgtaca	gtaatgtcct	aggctctcac	atttactcag	cacttactca
12541	ctgactcatc	caggaccact	tccagtcctg	aaagctccat	tcatggtaag	tgccctataa
12601	gggtaacatt	tatcttttat	gccacatttt	tattgtactt	tttctacatt	tagatacaca
12661	aatacaactg	tctacagtat	tcagcacaga	aacacgctgt	acaggtttga	agtacagaag
12721	caacagggta	tcacccata	tagcctaggt	tcgtagtagg	ctatatcatc	ttatgacggt
12781	cataagacaa	aatagcttaa	tgactcattt	ctcagtaaca	catagctgta	atttggtaga
12841	gcagcaactg	aaaactaata	cagatgtccc	caacccccag	gacagggacc	gctactggca
12901	gtggcctggt	aggaatgggc	tcacacagca	ggaggtaagc	agcacgccag	tgagtgttac
12961	tgcttagagt	ctgcctcctg	ttagatcagc	agcagcatta	gattctctca	ggcacatgaa
13021	ccctattgtg	aaatgtgcat	gtgagaaatc	taggttgtgt	gctccttatg	aaaactaata
13081	gccaaactccc	actgccacca	ccaatttttg	tggagaaaaa	attgtctttc	acaaaccagt
13141	ccttggtgcc	aaaaaggatg	gggaccattg	taatacagga	agagatttct	tttatttttc
13201	cttattttgt	ttttccttat	tacttactgg	cttatgaaaa	ttctacagcc	actgtaaaga
13261	ttatcaccta	cactataaag	attatcaccg	cactgggcgc	agtggctcac	Rcctgtaatc
13321	ccagcacttt	gggaggccta	ggtgggcgga	tcacgaggtc	aggagatcga	gacctactcg
13381	gctaacacag	tgaaacccca	tctctatgaa	aaatacaaaa	aattagccag	gcgtgggtggc
13441	gggcacctat	agtcccagtt	actcgggagg	ctgaggcagg	agaatggcgt	gaacctggga
13501	ggtggagcct	gcagtggagt	gagggtcacgc	cactgcactc	cagcctgggt	gacagagcga
13561	gctccaact	caaaaagatt	atcacctaca	ctaaaaaaat	acctaggcct	tatgtatgcc
13621	tctttaaagg	tcacatgctt	aggacaacaa	actactcaat	ctgattgaag	aatcaagaaa
13681	agcaaaaagc	taaatcccta	ttcccctcaa	aatcatatgt	taaacaagca	tcaagactaa
13741	gaaagtaaaa	gaggataaat	ctctcaatca	tgctggcttt	catattcaaa	catgccaaat
13801	ttcatacttt	atacataggt	agcacacact	ggcagtgacc	tggttttttg	agcaactaaa
13861	ataaacagca	taaggccttc	aaacttttag	attcagccat	tgttagaat	tagtttgtct
13921	cctgaaaatt	cacactctgg	aatcttaacc	cccccaatgt	gatgggatca	ggaggtgggg
13981	aatttgggac	gtaattaggt	cctgagtgca	gagccttcag	gaatgggact	agtgccctta
14041	taagagacac	agatcaaagt	ctatggtatt	cttattatag	cagcccaatc	tgactaagac
14101	atccatcaag	aatgttttgc	ctcagataat	tatttctcct	ccttattttt	tattactact
14161	ttgtacaatg	atcataatat	accagaataa	caataacagc	tagcacttat	atagacttta
14221	ctctatacca	agcagtatta	tgagaacttt	attcttattc	acttaatgta	tatgccact
14281	aatgagacag	cgactacttt	agtagctttt	tatggatgaa	gaaactgagg	cacagagagg
14341	ttaagtaatt	ttccaagggtc	acaatgtaaa	tggcaaaggg	ggggagtgtg	aactcaggca
14401	tttagattac	agaattcatt	ccctaatac	tgtgatatac	tgccctcccta	aatggggaaa
14461	aaagccccc	gaaatgtttc	aaaggYattt	ttataactta	ataagacaaa	aaaagtattt
14521	acatccaaaa	ataatttgcc	ttaatcaaaa	agacaaaaaa	gtaatactaa	aaagtatata
14581	tttctagtgt	ttttttctca	tctattcaat	ttggttctct	aagcacacct	ctcctcattt
14641	ctgtaaacad	tttaattaga	aagcttttga	aacatacaaa	aatagaatga	Wgaactctca
14701	tgaatactta	atgctaacca	cctgcccagg	ccagagtcta	ctatcctcac	tccatcttat
14761	ttcaaaaata	atgccagta	tcataattca	tctgcaaata	tttcagtatg	tactgaaaga
14821	tcaagtgtct	ctaaaaaaca	taaccgcaat	actgttatca	cacctaaaaa	ataaatattt
14881	aataccaaat	atctagttaa	tagtcaaatt	tccaatcatc	agttaaacat	atcttcaagg
14941	atttctttga	atcaggatcc	aggttagcac	cacatacagt	gattgggtga	tctgtttctt
15001	aaattttctca	atcaatatta	gcggttctca	atcaaggtga	ttttgcctct	cagggacaa
15061	ggacaatttc	tgaagacata	tttgattttg	tcacaactac	agtgggtgcta	tggaactcta
15121	atgagtagag	gccaggtaag	cttctactta	cagggcctta	cctacaggac	ggccccact
15181	acaacaaaga	agtatcta	caaaaatgtt	actagtacca	tggttgagaa	acctgtattc



## FIGURE 4-E

15241	cctaggttttc	acctggttct	tttttatttc	ttacatttaa	tttattgaaa	acattaagca
15301	gtttgtcata	aaaatcttca	tgcaggtgga	ttttgctgac	tacatcccca	ggtatcatth
15361	gaaagatttc	accacacttt	atctcttgta	aactggtagt	taaatctaga	gacttgatca
15421	gattcaggtt	ttgtatttgc	ttttaggttt	tttttttttt	ttttcttttt	taaggcatgg
15481	ggttggcaag	actacttctt	ggatagtgtt	gtatttttct	atcaggaggc	acataatgct
15541	tggttgtatt	Sttttttagt	atctgtcagc	cactgagcct	tgatgcctag	atcccaatag
15601	cttatcaggg	attgcaaagt	gtagtatttt	aactccaaca	ttccttcttc	atcatttagc
15661	tggaaatatta	ttctaataag	aacaaaactca	tctattattt	gattacctaa	tagcacagtt
15721	tatatagaaa	aggcagaatc	agttgttaaa	gtgagttggc	ttcctagaat	cctccaacag
15781	taacaaatth	ttgttgtagt	agtagtagta	gtagtcttag	aaattcatgg	atttagatat
15841	aattgatata	tatcaatcta	ctgaagttat	tcttggttaat	actcaagttt	catatcctta
15901	gccagccagt	ggtagcatct	tcaagttgga	acctgaaaca	tgaccaatc	ttaatggth
15961	ctgatttagta	gtttgctatc	gattccaagc	tcagtttcag	gcctagaatc	aggcttctct
16021	ccaaggaact	ggttctttta	agtaggttgc	tgtcaccttt	ttgttttttt	agctctgaaa
16081	catttgtctta	atthtaaaaa	tattctcaac	catttttcat	tggtgttttt	ctctctctcg
16141	aaattcttat	tatttgtatt	taggcatgct	tttctctctt	ctctacatta	tttaacttta
16201	atattttcta	ctttttaatt	ctcttcttgt	ctcctgggaa	gttctacaac	cagctctcat
16261	aattaatatg	taaattcttc	tgtagtttga	ttttaataaaa	cctactactc	ttctttttta
16321	aatattctct	agcagtgttt	gaaagagagt	taatggccta	tgctggttct	ccatcttgct
16381	ctgtttatta	tctttttcaa	aagcatatat	ttgtaagtgt	gcttcatggt	ttaaaatgta
16441	aaaatacgag	tcttattaaa	aaaaacttca	gctttaattt	tcatttattt	tcattataaaa
16501	aagtttaaag	taatatatag	agaaaaataa	atcaactaaa	ataactacat	aatcacagag
16561	taaaacatgt	attctcttca	agattttatt	tacattttta	aattctagtt	agaaaaatag
16621	atactatata	caaagaactt	ttatcttgca	tatttgctta	aacatttatt	ccaaggtctt
16681	tcatatatgg	ctgttcttca	aaataaaatg	ctcaactaaa	ttttaatgtg	cttagtgcag
16741	tacctggaac	acataagttc	tgtataactg	tttattatat	cacagaatgg	tttatcccat
16801	tactaagtca	aaattaaaaa	ataaccattt	tcttctgtga	gcacattgta	gtggtttcta
16861	attctgcaat	taccatcaat	gattccaata	ataactacat	atgttcagca	cccctactc
16921	tgaacttcca	aattacttcc	ctgggaaaaa	tttctagaaa	tgagtacacg	gttacagggt
16981	atgaataact	ttctaataat	ttccattaac	tcagtaacta	taaagtgtca	tttgatttta
17041	aatgtgtatt	cctttgaata	ttagccagat	tacacacttt	taaacatctg	ttactcaaat
17101	ttccttttgt	ataataaagg	cattacagtt	taataggtaa	ctgctattac	ttcagtgtag
17161	ataaattcatg	tttatcttca	ttattagtta	ctttattatt	atacagggac	catctatgct
17221	tttaaaatgt	gttatthtca	ctcataataa	taactggagg	cctataacat	tttcagtttg
17281	aattaatgaa	tattgttaaa	ttattthtaaa	tcatgattct	aactatactg	atgtagtaat
17341	aatcttttgac	tttcatatgt	atcttttctt	tgccttgcc	aaatttgccc	ttctttgtta
17401	atataaactc	aagagtcttc	acaatttttc	cctctttttt	gaatttactt	taagtttgtt
17461	ggcaaagaga	atcattctga	ctgtgatact	ttagtagcac	aatttcagac	ttctgaaatg
17521	tcagatactg	aaagatgttc	cttagctata	ttttthtaact	gctggtataa	tgthaaatat
17581	tcttaaaatt	tggtgctttt	caaattctat	attctacaat	tttcaaactc	agactacaaa
17641	tattthtttat	atatataaaa	tattctgtgt	atacatacac	acacacacac	acacacacac
17701	aYacacacat	ataaaacaga	caaagtgtgc	agaggtgtat	gtctctaaat	gggggtgggg
17761	gtggaagaaa	ggagataaag	agaaagaaag	agaagataga	aactgactca	ccttgaatct
17821	cattacaact	tcagccagta	atattgttac	atataatagt	atattattta	gYacttactg
17881	aagcaactag	cttagtcctg	agtctatgtc	taaatagtta	agtagttttt	ttataatctc
17941	actcatthta	tttactthtt	tctcaggtta	ctgtthttat	gatataataa	aattthtcat
18001	ggtacatgtc	acattthtaat	acctgtatgc	aatgcataat	gatcaaatca	gggtaactgg
18061	gatgtaagtg	atthttgaag	agtcctthta	acctatttct	ctactgcatt	atcatagaaa
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18181	gcaaacctat	atthtaagatg	ttthtaagta	aagaacattc	ctthaaattt	tgaatctcaa
18241	ataacagtg	tatgcagaga	acagatatgt	tcaaataact	gttggtgtgt	tgactctaaa
18301	cagattthta	aaataaaaac	ctthtctgtg	gtggtgtagt	aatcgaattt	catttctgag
18361	aaaacagcat	tttaatgtct	catcaaatcc	ataaatcag	agttctacca	agagtgaaac
18421	ataaatatat	aaaaaaaagta	ctcaccaata	tatcttgccc	aacatgtctg	tttccctttt
18481	cttcttgttg	tcctaataatc	aatttcccag	tagaaaaaaa	gggtgtatcc	aatgtcttgt
18541	ataccttcaa	ctcaccatgc	ttaacaaaaa	attgatatgt	atcttgtggc	cttacaagat
18601	ctaggagtaa	aacagtaata	caaataataa	acaacagcag	tattggttaa	tgtataaaca
18661	tatacacata	tataataata	agagtcattt	ctggatataa	atctgcctta	gagagttgtt
18721	tcagagcatt	aactctggag	ctagaatgcc	agaggtcaaa	tcctgtctct	gtcttaaaag
18781	ctgcatgacc	ttaggcaagt	tacttaagct	ctctctcact	gtgcctcaat	ttccttttct
18841	ataaaaattaa	ataataataa	gttcatctat	tcgatattaa	tgagctgctg	tgaatatcaa
18901	cgagtttaagt	tgtgtaaac	atthtaaaata	ttgtctggca	aaaagtacgc	actgttagca
18961	ccagctgaat	aacaaaatgg	cagtattata	ggaactgaga	cagaaaaatg	aattagctga
19021	gataaaaaaa	agaattctct	atththtaaa	tttaacataa	accacaaatg	tatcatcacc

# FIGURE 4-F

19081	atgccaatag	atTTTTTTTT	ctgcttgact	aataatTTTT	attaggtaaa	gtttgtgaga
19141	aagcagagtt	ctaattggttg	ttcataaaatt	actacctcac	ttacaaaaat	ttccattact
19201	taacaaactt	ttccagatct	ataattaata	aattattctg	tcatcaatgt	ctgattctgt
19261	ttcccaggat	atTTgggaat	gttagtgatc	ctacagacta	catgatatag	aaataaatat
19321	atatatatat	atatatatat	atatatatat	atatatagaa	atatatagaa	atatatatat
19381	agaaatatat	atatagtaga	ttcaagaaac	aaataagaaa	tgaacttttg	acaacactca
19441	caataacctg	gtagagtaca	gcaatgcTtt	cagttaagac	actaaacaaa	actccatact
19501	tctaagctct	gttaccaaaat	aaataatctg	catatagaga	tacctttgct	aagggtgtaa
19561	gatattaaat	gaaatctatt	ttcatggYca	aaatTTtaag	taggagtacc	attattacta
19621	cctttctttt	tttaggaatt	aactaactag	ttttattatt	attattattg	agacagggtc
19681	tggctctgca	cacccaggct	gaagtgcagt	ggcatgatct	cggctcactg	caatctccac
19741	ctccagact	caagcaattc	tcctgtccca	gcctcccaag	cagctgggac	tacaagcacc
19801	caccaccacg	cccagctacc	attaccgcgt	ttctgatttg	acctacttct	ctctctgat
19861	aggacaaaca	gcccttagta	ctcaatggta	cagtcataac	agttgttaaW	atatttaa
19921	atTTcatata	tatatatata	tatatatata	tatatatata	gagagagaga	gagagagaga
19981	gagagagaga	gagagagaga	gagagMgcct	ggttggttaa	cagttgcgta	atccataaac
20041	tcctatccca	ctatagccca	tcccttgggg	atcttacctg	acctgctaga	gactaaatat
20101	ttaatccaat	acagcaggag	gcttccaggga	cTTtgCagca	ccagcttta	ggttaa
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20221	ggtaacatta	ctgccatctg	taggcccaga	agtttgtctg	tgccctaccc	acaatccctg
20281	cctggcttca	tgataagcgt	atccttgagt	ctgccaaacta	tctatctaca	attccccata
20341	aacagcctct	gttcccatgt	gtcctctcgt	tcaaagaagg	cctagaccct	ctggggggag
20401	acgacattcc	tgattgtagc	actacttTtg	ccccagagga	caagtccggg	gtgttaagtg
20461	ttccctggag	ctgtctgata	tcaatattcc	cccacagttg	tcttcacata	ggttgctcgt
20521	tggaattaga	ctcttctgga	ctttagcact	gatagaattg	gggagagaaa	gggaRagtag
20581	acaggccaat	catcaagcaa	gcaatatTTt	cttacaatt	gtttaattaa	gtattttcag
20641	tatcatgcct	gatcttacc	atgagaataa	tctctctTgt	ttctgggtcc	ttaccctcg
20701	ttggctgcaa	aggatctcca	agaggtatac	ctagatttac	cattaagtta	gtctctgcaa
20761	aagaaatacc	attgaaat	aaactactta	cttaaaatta	ttctcaatcc	caaaaagttc
20821	agtacaaaat	atagctatag	agaagttata	aaactgtcaa	acgcaaagaa	gtctcttcc
20881	atTTtataaat	cactctgata	aacaaaaatt	caaacttaaa	aacccataat	gatttaatat
20941	aaaagcaaac	accctaaact	tcctattTtc	tgtaagcctt	aacatgtaaa	ctctgcatt
21001	atcaagggtat	taagtgtatg	tttgcataat	ctctaagtga	gatagaggta	tataaaacac
21061	tttagaaatg	tctatgttaa	ccatagcttg	gRcataggaa	tggtggggtt	catttgactg
21121	ggaaatTTac	tcatgaagaa	atTTtataata	tgctattaat	aatTTTTtaa	gaataaaatt
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21241	ttcttgaagt	ttttggaagt	aaatttccata	ttttgcaaag	agcttcttct	caaagtactc
21301	ctattttaaaa	taaaatctaa	aagttacttt	cagaaataag	ttcatacttc	tttcatcggt
21361	atcaagacag	atccttttct	tattagattt	ttgttgact	tttccaatat	tttcttttgc
21421	cttctcttta	gacgatattg	tgtctggaga	tagtactcca	ctaatacaga	atcctcctga
21481	aatTTtaacaa	aaaaagtaaa	atatacatgg	gaaagacaaa	atcttgaac	aaaactcctt
21541	aaattttaata	tggcacattt	cctttcaaag	taccaaagaa	tatatgtctg	cagctaatag
21601	ttaaaataaac	acaaatacca	accaatttca	ttatatctct	accaccctaa	atcagaggct
21661	gataaaacag	gattagatga	tgaacatga	ttagatggc	ctattgctcc	cctgaaatca
21721	acagtcacat	gtggaggctt	ttaaaaaaa	aaaaaaaagg	agggggctag	caatgaacta
21781	tttatagaaa	tccacatgag	tttagtcctt	tgacttagat	atatccatca	aagaaagaaa
21841	tatggccagg	cacagtggct	cacacctgta	atctcagcac	tttgagatgc	caaagcggga
21901	ggactgcttg	agcccataag	atgagaccag	cctggacaac	atagcaaggc	ctcatctcta
21961	caaaaataag	aaagaaaata	actctacgat	taacactaca	ctttcttgcc	caccctacac
22021	tactttgtag	aaaactatga	gaaaatggaa	aatggttaat	aggaaaaata	atgaaaacta
22081	ctttaccttt	accagttaca	atTTtctcac	gttctaact	aacgctttat	attatgcaat
22141	tggaatctt	gtcagatgat	acaggaataa	caacattcag	ctaccaaaaga	gaaaatatca
22201	gcatctctac	attaatcaga	caaaaatgaa	tttaa	attatcaaaa	tttggggggg
22261	tgatgattaa	gtaaggtaat	gtatataaac	atgtagtgca	gtgtctggca	catagtaa
22321	aaatTTTTta	ttgacagata	ttataacata	aataagtttt	acctgatggc	cttcttgat
22381	aatctattcg	ctctcctcgc	cagtaactcca	aaggTTtcaa	acgtgttctc	ttggtctcgc
22441	gaacatttgg	tgtgttggag	ggcaatacta	taaaaagatg	tcagacaaaa	gtgatatacat
22501	agTTTTtagt	tgatgggtact	tagcagtggga	aagactgtct	tttagaacat	gaaagcttta
22561	TTTTtagaaa	catgaatatt	tttctagaca	aaagactaga	aaaaacaaat	atTTtagcta
22621	acaattaaag	aaaagccaat	ggaaaaacag	gctaccaa	tggcaaatat	ttaaaaacct
22681	aataatactc	agcgttgaca	atgTTtaaatg	tacactcatc	ttatctgaac	aatgcaaagt
22741	tctgtatact	aaattgagtt	tgttggctta	tcttcaaatt	cccatgttct	tactattttt
22801	ttgtTTtgcta	aagctatgct	gaagctaacR	agaagttgcc	tactgctctt	aggcataatg
22861	ctcaatgttc	ccctctgtaa	atactgaagc	cctgctcagg	aacatTTTTa	tttccctttc

## FIGURE 4-G

22921	cctactcctg	attcatcatt	tcaccccaag	acaagcatta	agtattgaga	ggtatagcag
22981	tctctcatca	cataggccca	caaaatctct	acaatatcta	agttctggag	taaggcaatg
23041	agagaaagct	tcactcctat	tggtaatctg	agtatgagtg	aaagagcact	cacagcctca
23101	aataaaggga	gaaacatgga	aagccaccca	acatcacaga	aaggtgggaa	ctatcatgta
23161	tcttgactgg	caaatatctc	tttggaacc	atggattgtt	aatctttaca	tgggcctctc
23221	catgggttcc	acagttctta	gctttgtcta	cttactatcc	tagctactgc	tttgtttagg
23281	agtcaactgg	attaaagtgg	aaggagatgc	tgtcaaggaa	gccatctacc	tggtagttac
23341	agtttctttg	acaaaattct	ccaccctagc	ttcatagcta	agggaggatc	atgcccccta
23401	ctatggggca	aaaagtgaga	gggcaatagg	atttataaat	ggacaataga	ctaaYtcaag
23461	tggcttgtgg	tgacttacta	tgaattcatt	aaaaactaag	tgcataatct	taatttatct
23521	gccaattaat	ccacataatc	gtattttctc	tgcttaagaa	gaaataagtt	atatttagaa
23581	acagaaactt	aaggtatctt	tctcaatgaa	aatattaaaa	aagaaaaata	ttcttaccta
23641	gtttgtgatg	gattctgttc	tttggtatca	ctttagattg	ttttgagtca	tctacaaaat
23701	gcaaaagata	atatcRtaag	aatgactgc	taattccatg	ttaaattaaa	atgtgtttcc
23761	tgggtcaatct	cagtatgagt	attttaata	aagtttgacc	tgataatgta	ttttattact
23821	ctttttgctt	ttcattgtct	aactataaaa	actaaggaaa	agaactatct	ctctagactt
23881	tgctacaatK	aatacattgc	aagtttgc	aatccacctt	attttgtggt	tgtagagttt
23941	tgttttgttt	tagaccttta	gcagcctgaa	accatgcttt	ttagtctctg	tctctggcga
24001	Yaagtggaaa	agagggatga	ggaaggggtt	ttattggacc	aaccagaaac	agaaactaag
24061	aactcatgac	tgtattcgct	cccttgga	cccctgggtt	ttattctaaa	cagtgttaaca
24121	gttaaaacaa	acaaacaaac	aaaaaaaaca	acagattttc	tattgctcat	ggaaagatga
24181	aataagccac	ttgtggataa	aaatgtggg	cctgataatg	gataattaat	atgctattta
24241	tgaactatct	gtaactttct	ctttaaagt	ctaaaatagt	gtaagtgtac	tgaatttagc
24301	agtgtgccaa	taagctcagg	ggttctcaac	tttggttaact	agcacctaaa	gatggctgtc
24361	atcccttctt	tgcctttcta	tgcacaaatg	ttctgtatca	agaagcagag	tctcggtccc
24421	ttctccttca	atctctgctg	gagttatgta	cttgcttaac	taatagtatg	caacagaaat
24481	gatgttctgg	ggcttaaaag	gcttaagtct	aatacaatct	acaggttcca	tctagaagtc
24541	ttgggatctc	actctagggg	aagacagcaa	caatatgaag	attaacacaa	gactgccatg
24601	ctgtgaggaa	acctcatgtg	gccacatgga	aaagccacat	ggaggaaaag	agatgcttgg
24661	ccaacctcaa	tgtcccagtt	cttccagctg	ggtccaaaca	tgtaagttag	gaagttacct
24721	cgaatgtcca	acccatttga	actttcagat	gactccagcc	ccagcagctt	gcatttaact
24781	atataaattc	atgagtgtac	tcaagtggca	attaccaaac	taagccaagt	caattctatg
24841	aaccatgaaa	gataaatcaa	tcactgtatt	aagcctttta	gttttgggg	ggttggttac
24901	gcagcaatat	acaactggga	cacaatgtcc	atgaaccacc	taaaactgca	aatacaattt
24961	tgtatgaaat	atataccttt	tttccctaaa	aagcRggtct	gagcttttat	catattctca
25021	aatgagtcca	tgaagcaaaa	caaacaaaaa	ttgttaagaa	tgattgaatt	agatatttta
25081	taaaattgct	ggtttggga	aaacttca	gatcataaca	tctaatttcc	ctgtcagaaa
25141	caggcaaatc	tctagacatc	agaagtagat	tagtaattgg	gtaggcccag	ggaaaggaaa
25201	tgaagtcgg	ctactaaagg	gtaaaggggt	ttctttttgg	gggttatgaa	aaggttctaa
25261	catcgattgt	gtcaatgact	acatatcatt	gatttgtaca	ctctaagtgg	attaattata
25321	ttggtatgta	agtctagctt	aataaatctg	tgtaccccc	accccccccc	cacccccacc
25381	cccaaaaatt	caatttctta	tgcagtctcc	cctagaacaa	gtagaggtct	catctctggt
25441	ggaaattctc	ctgtgacact	gggcctcgga	ggcagtgctc	gagtgatata	aggaacccaa
25501	gaaacaagta	aatatactga	ggataatggg	agtcaggttt	ctcactatct	gagaagaact
25561	tgtataaaat	acaggcggcc	aggcgagctg	gctcacaact	gtaatcccag	cactttggga
25621	ggctgaggca	ggtagatcag	gaggtcagga	gttcgagacc	agccttacca	acatgggtgaa
25681	accccatctc	tactaaaaac	acaaaaatta	gccgggcatg	gtggcacacg	cctgtaatct
25741	cagctactca	ggaggttgag	gcaggagaat	cgcttgaacc	cagaaggcgg	aggttgagct
25801	gagccgagat	cacaccattg	cactccactc	tgggcgacag	agggacactc	cgtcttaaaa
25861	aaaaatttta	aaataaataa	ataaaaatac	aggcatacct	cagagatatt	gccagttcag
25921	ttccagacta	ctgcagtaaa	acagatactg	caataaaagaa	gtcaaacagt	tttttagttt
25981	cctggtgaat	ataaaagtta	tttcttttgc	tgttttgttt	tggttttttg	agactaagtc
26041	tcactctgtc	acccaggctg	cagtgacgtg	gtgggatcaa	gactcactgt	ggcctcaact
26101	tcctggcagc	aatgatcct	ccgcctcag	ccgcgcgagt	agccggaacc	agagatgcac
26161	accaccacgc	tcagctaat	tttgtatttt	ttgtagaaac	aggtttctgg	catgctggcc
26221	aggtgggtca	caaactcctg	ggctcaagtg	accggcctcg	cctcccaaac	tggtgggtgg
26281	ctcccaaggt	gagccaccat	accgaccaa	aagttatgtc	tatactatac	tatagcttat
26341	taaatgtgca	agagcattat	gtctaaaaaa	atcagtgtag	atatacctta	atttaaaaaat
26401	atttttattgc	taaaaatgct	aaagatcagc	caggcatagt	ggctcatgcc	tgtaatccca
26461	agactttggg	aggccagga	gggtggatca	cttgaggcca	ggagtttgag	acaagcccga
26521	ccaacatggc	gaaaccccat	ctctactaaa	aattaaaaaa	attagctggg	tgtggtgggtg
26581	tacactttgt	aatcccagct	actctgtgtg	gctgcggcaa	gagaatcgct	tgaacccagg
26641	aggtaaaagg	tttcagtgag	ccgagatcac	accactgcac	tccagcctgg	gtatttagagc
26701	aagcctctgt	ctcattctca	aaaaataaaa	ataataaaat	ataaaaaatgc	ttatcatctg

## FIGURE 4-H

26761	agcttttcagt	gagtttttaat	cttttttgctg	ataggggtatt	ttgcctttatt	gttgatgact
26821	gctgactgat	caggctgggg	tgtctgtggc	agtttcttaa	aataagtcaa	caatgaagtt
26881	tccctggaga	atataaaatg	ctgttgtata	gcatttttact	cacagcagaa	cttctttcaa
26941	aaccgcaatc	aatcctctca	aactctgtcg	ctgctttacc	aactaagttc	atggaatatc
27001	ctaaatcctt	ttttgtcatt	tcaaggggtc	acaacatatt	caccaggagt	agattccaac
27061	tcaagaaatc	agttccttcg	ttcttccata	agaagcaact	cctcatctgt	tcaaattttg
27121	tcatgaaatt	gcagcaattc	agtttcatct	ccagactcca	cttctaattc	tagttccctg
27181	gctattttcca	ccacatccag	ttacttcctc	cattgaagtc	ttgaaccctt	caaaatcacc
27241	cataaggggtt	ggaatcaact	tcttccaagc	tcctgttaat	aYtgatattt	tgacctcctc
27301	ccatgaaaca	caaatagttt	taatggcatc	tagaatgggtg	aatcctttcc	agaagggtta
27361	tttactttgt	ccagtcccat	cagaggaatc	actacttggtg	gcagctactg	ccttacaaaa
27421	tttatttctt	aaataataag	acttaaaagt	ccaaattatt	ccttgatcca	tgcatgagct
27481	gcagaatgaa	tgctctctta	gtaggcatga	aagcaacatt	aatctcctca	tctttgtcca
27541	ttagagctgc	tgggtggcct	ggtgcattgc	catggatgtg	ctgtcaccca	ggctttgttg
27601	ttctactaat	agagcaaagt	agatttagca	taattcttaa	ggactctagg	atttctggaa
27661	tggtaaatga	gcactagctt	caacttaaa	tcaccagctg	tattagccct	taacaagaga
27721	gtcacagcct	gaccttggaa	gctttgaagt	catgcattga	cttctcctca	gctatgaaYg
27781	tcctagatga	catcttcttt	caatgaagg	ctattttgtc	tacagggaaa	atctgttgtt
27841	tagtaaagac	accttcaatt	atctcagcta	gattttctgg	ataacttgct	gcaacatcag
27901	accttgctgc	ttcaccttgc	tcttttatgt	tatggaaaca	gcttctttcc	ttaaacctca
27961	tgaaccagcc	tctgctagct	tcaaactttt	cttctgctgc	ttcctcacct	ctcagcctcc
28021	acagaattaa	agagagttag	ggccttcttc	tggattaggc	tttggcttaa	aggaatctg
28081	tggcttgttt	aatcctctgt	ccagaccact	gaaacctcta	tatcagcagt	aaggcagttt
28141	ccctttctta	tcattcatgt	gttactgtga	gtagcacttt	tcttttcctt	caagaacttt
28201	tcctttgcat	tcacaaaattg	gctgtttggt	gcccagaggcc	tagcttctgg	actatctcgg
28261	tttctgacat	gccttcctca	ctaagcttaa	tcatttctag	cttttgattt	aaagtgaana
28321	atgtgtgact	cttcttttta	cttgaacact	tagaagccat	cgtagggtta	ttattggcct
28381	aatttcaata	ttgtgtctca	ggaaataggg	aagcctgaag	agagggagaa	agatggggaa
28441	ctggccagtc	agcagagcag	tcagagcaca	tgaattttca	ctttcttaag	tagctgtggg
28501	ttgcggtgcc	ccaaaacaat	tacaatagta	atgtcaaaga	tcacctgatc	acaaatcacc
28561	ataaaagaca	tagtaatgaa	aaagtttgat	atactgtgaa	aattaccaa	atgtgacaca
28621	gagacacaag	gtgagcacat	gctaattgaa	aaaaaaatgg	tgccaataag	gcttactcaa
28681	caaagggttg	ccacaaacct	tcaatttgtg	aaaaatgcag	tatctccaaa	atgcagtgac
28741	acaaagcaca	ataaaacaag	gtatgcctgt	ataaatataa	atatagaaat	agatatagat
28801	gcctgtattg	tatatggtgt	gtacatatgt	gtatgtgtgt	gtgtatatat	atatctattt
28861	cctatctctg	tacactgaga	aagactagaa	gcaatgggtat	cccaaacaag	gatcacgtca
28921	agtgcccaaa	tcttggtttc	taaatgccat	cttccactaa	aaagaaccag	gtttcctgga
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29041	aaagacagta	ttcacagaat	catgacaaaa	gcacacagag	accagctgaa	agaaaatcSa
29101	gtgaccaa	ctatcacaa	tcaagtatca	taataaatgg	tcaagatttt	acaaccccat
29161	ggcataaaa	agtagtagtc	catactgata	taaaataaaa	gaatcatgaa	taaaataatt
29221	ggcatgagg	agaaaaactg	gcaactaatt	aatgcggaag	gaattaaaga	aacagaaaat
29281	agaaaataat	gtggtaccat	cattagtggc	tgataattca	agtgggagtc	ttgaatgtat
29341	gttaaggttg	gtgaatggag	gtttgacaag	aaacaggcta	ttaagagtat	cagaatatca
29401	ctccacaata	atatttatca	attataagag	aaaagcagtg	tctttacagt	agagaaacct
29461	ggcagacaat	aacatgaaca	ggtaatcagg	attgatatca	tgtcagcagg	gcattggtggc
29521	tcacacctgt	aatcccagcg	ctttgggaga	ctgaggtgtg	cagatcactt	gaggtccaga
29581	gtttgagacc	agcctggcca	acaaggtgaa	agcctgtctc	tactaaaaat	acaaaaatta
29641	gcccgacatg	gtagcatgtg	cctgtaatca	cagctactca	ggaggctgag	gcattgagaat
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29761	tgggtgagag	agcaagactc	catctcaaac	aaacaaacaa	acaaaaaaca	aaagcatcat
29821	gtagatgggt	gaacgttgtg	tgccctcctg	gtgatgcaca	aattacatcc	cctaactcct
29881	aaccctatag	catcatttct	gtagtattcc	tgtcaaata	gaatggcaca	catttgatca
29941	tgagttaagt	taggaaaaaa	actaagaac	tgttccatgt	tgaaggaaac	taagggacat
30001	ggcagctaaa	tgcagtcgac	gatccaggac	tggatcttga	accaggagga	agaagaaact
30061	ctgagatcca	ggactggatc	ctgagctaga	agggaaaagg	aactgctagt	gaaatctgaa
30121	tggagtctgt	gaatgaacct	gtgtgtgatt	aatgctgatt	tccttatttg	tatggttcga
30181	gggtagtatt	atccttgtct	tgctgaaata	cattatgggg	catttaaggg	aaataatata
30241	tcatgtctac	aattccctct	caaatagttc	agaaaaaaga	tgtatgataa	tagacgtgta
30301	tttattagag	gaggcaggga	gggagatgga	aaaatgttgt	aaaatgtgga	caattgtgaa
30361	atctttagat	aggggatatg	ggatctctgt	ataagactga	aattatttca	aaataaaatta
30421	ttttttaagt	gactaacaca	agggacaact	cctaaatttc	aaagattaaa	ggatccatgt
30481	aagtatggag	atggaagaaa	acaggttatc	tacaaaggaa	agaagaaata	aggctgcctt
30541	caaatttcta	ttcataagca	ttaactctca	tgaagcaaaa	tagcaatacg	gtgatagttt

# FIGURE 4-I

30601	aaagaaaaaa	agatcatgac	tcaagattat	gttctctatt	tagctgggtg	ttcattgtgt
30661	ttaaaaagaa	aaaaaaaatc	ctgagtcctt	gctagaatat	gtgagaatgt	ctaccaactt
30721	tacaaagaag	taacaagtat	atctgttgac	aataagtgt	tatatattaa	acaatttatt
30781	aaaggaaaaa	gtactgacac	agcagtgcaa	aaacaattca	atcatatgct	gtttcttagc
30841	cactttttaat	tctctaataa	aagttaaata	aaaagataaa	gaaacaacaa	ccaacccaaa
30901	gaaagcagaa	gtcacataac	taatattaga	caaaaacaaac	tacaaagtaa	aaagcattta
30961	acacaacgaa	gcagataaat	ttgaccaaag	caggtacact	ccatatgaag	gcttatgtga
31021	tcagtaacag	cactgaaatg	tacataacaa	agactacaga	aaatacaagg	gcaaagacag
31081	ttgcagtggg	aacactttac	ttcaactcta	gcagtcctta	atagatctca	aataaaaaga
31141	atacataggt	tgagaacatc	aagcttagta	tgtccaaatc	taacRtcctg	ttcttttcc
31201	caaaatctgc	ttcttcccca	gtagtcccca	gatcaggtag	taatattgcc	attcttccag
31261	gagctcgggc	caaaaacctt	caagttctct	ctaagcctc	tctttttctt	ataccaccag
31321	tatcgtccat	cagaaaatcc	tgttgacttt	accctcaaaa	atacctaaaa	atcctcctcc
31381	tgctttccac	tttctactgc	taccacattg	gtctaagcca	acacctctca	ctaggattat
31441	ttcaacatct	ctccagctag	tctccttgct	tccaaccttc	ctccatccct	tcaaccccat
31501	cagtcaactc	ctaacacagg	agctgcagtg	attctgttaa	tacagggtcaa	gtcatgtctc
31561	tcttctgctc	aaaacccctc	aatggcttcc	catcgctctt	agtaaaattt	tgcttttaac
31621	atcctatgtg	atctttcatt	ctgttgcttc	tgtgacatca	tttttcctac	tactcgttcg
31681	ctctcttcc	ctgctctaac	cctctggcct	tcttggtgtt	cctcgatcaa	gacagactct
31741	tgaccacata	agaacttttg	cccttcatct	tccctctacc	tggtacacta	tttaccaga
31801	cagctgcacg	gtttgctgtc	tcatctcttc	aaatctttgc	tcaaattgatc	acttccctag
31861	tgaggacttc	tctgcccata	tacctaataa	tgtaaaactt	atttcccacc	ctaaacgcca
31921	tgcttttatt	ctctactctc	aacacccaac	aaatcataaa	tttggttatct	ttttatatgt
31981	tctgccatcc	tgccccttcc	agaaattaag	ctggagggca	gaaatttttg	tcagttttgt
32041	tactgacac	acccttacc	ttaaaataat	aagtaaatat	tccataattt	ttcatattta
32101	agaattccat	aaatattaaa	agtatatcca	aaaaaatata	tccacttatg	ttatcaacaa
32161	aataactgga	tatatatctt	taaatccata	tctgtatata	aattattccc	ttttcgaagc
32221	accaatggaa	aaattataaa	aactaagcat	acactagaca	ctagaacaca	aaaaaaactt
32281	actgaattca	aacaataaat	aaaatagact	aagttttcta	gaacaataaa	atgaaaccag
32341	aaaatactaa	aagaacaaaa	taaaacacaa	cttcttagaa	taacagcaaa	aattggctat
32401	ttaacatata	cctgatatta	aactaagcaa	agaatatgta	ttcatcttta	tatcagctta
32461	tgggattgga	gctgatatca	ttttacagat	aaggaaaactg	aagtttaaga	acactgaaat
32521	ttcttactca	tgataatata	gtgatgcttc	cgatcagtg	gtgaatgggg	caaaaaaaa
32581	aaaaaaaaag	aacgtagcta	gtaagtagta	gagctagaac	caatcccagg	tccatgaccc
32641	tggagaccaa	gctcttaact	aatgtactct	taaaataactg	ctgggtcaaa	gaaaaatcac
32701	tacaatttag	agtatactac	aataacacta	catagcaaaa	tctatcaaat	taagccaaaa
32761	ctatactgag	ggaaattgaa	tgctgcttct	ttaccaaaaga	aaaagcagaa	aaacacagaa
32821	agcatttcaag	ttaaaagaga	aaatacaata	aatctaataga	cgggggaaaa	attaaaaagt
32881	taaaagaata	gtgattatta	gaaaaaaaag	tataacagat	tacaatcaag	cacgcatttt
32941	taggagcatg	aaaaaattat	aaaattctct	attaagaggc	atctttaaac	ttcagtatga
33001	aaattttcaa	gtactgaagg	cggggagtgg	tggctcacac	ctgtaatccc	agcactttga
33061	gaggctgagg	caggtggatc	acaaggtcaag	gagtttaaga	ccagcctggc	caagatgggtg
33121	aaaccccatc	tctactaaaa	agacaaaaaa	attagccagg	cgtgggtggca	ggtgcctgta
33181	atcccagcta	ctcaggagtc	taaggcagga	gaattgcctg	aacccaggag	gtggaggatg
33241	cagtgagctg	agattgcacc	actgcactcc	agcctgggag	acagagcgag	actccgtctc
33301	aaacaaaaaa	aaaaaggaaa	ttttcaagta	ttgaaaatag	agaaaatagt	ataatgaacc
33361	caatacaacc	atcaaccagc	ttcagtaatc	atcaacagat	cactaatctg	cttcatgtat
33421	acccttatta	gcttaacaat	tttaataact	ggagtagaca	ccttaagtgc	caatatttca
33481	ttatgttcta	cttaaaaaac	tgtcactcat	tttctttctg	tctcacttag	gtacagggtc
33541	ttattaatct	ctaactaagg	gtcttaagag	gtaggtactc	aatatacact	cgccatcagt
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33841	ttctcctaaa	actgccataa	gtctttctta	taaaaccaat	agtgatgtta	caagtcatca
33901	aaaaatatata	gtcatccctc	agtattttgt	ggggattgat	tccaggatcc	actgtggata
33961	ccaaaatcca	aggatgctca	agtccttata	ataYaattgt	gcagtatttg	catgtgactt
34021	tcacatatcc	tcctgtatac	tttaaatcat	atctagggtta	ctgataatac	ctaatacaat
34081	gtaaattgcta	tgtaaatagt	tgttatactg	tatttttatt	tgtattattt	taaattgtcat
34141	attgttactt	tttattgttt	tatattttat	tttctgaata	ttttcaatcc	atgggggttg
34201	aatcagtgga	tgacagaacc	acagatatgg	agggctgact	gtacttgctg	cattaaacaa
34261	agactacaat	ttcatcccat	aactgcagtg	tgagcatcat	aagtactgaa	tttatgactt
34321	acagatcaga	gtaacagact	tagtaaattc	aaatgataac	atcctgtggg	gaaaaatcaa
34381	ttataaaaaa	agaagaagaat	catcatattt	taattaaaaa	aaaatatagc	caaaaaccaa

# FIGURE 4-J

34441	tggaaatttaa	aatgtggtcc	agaaattgtc	agagatgatt	cagcctctcc	tagtcctaaa
34501	tctctttcta	cctattatga	acccaggata	agcctagtca	taacctcaca	aatagtaaag
34561	aaatcttagc	catcccttaa	aagtctgaga	atttgctaaa	atttaccctt	tattcatttt
34621	ttaaaagggt	atatgacatc	agatataatt	aagagtaggt	aattcaattt	gatcactaaa
34681	tgtgggtcatt	ttaacattat	atgtccaaat	tctttaatac	accacctttc	aatagggtgga
34741	gcctaattcc	acctctccct	gaatgtagtg	tggactcaat	aagttgtttc	taatgaacag
34801	aataaagtag	aaatgacggg	gtacaatgtc	aaagactaag	tcattaaaag	acactgtgat
34861	atccatcata	gtcacacctt	ctcttgaggc	atttgctttg	tgggaagcca	gttgccatat
34921	tcagcagctg	agagggccac	aYggttaaga	aactaagggtc	tactggaaac	agccagaacg
34981	gaactggggg	ctccagccaa	cagcgatgtg	agacatttta	taggtggatt	ctccagttcc
35041	agacaagact	ttaaagggtt	aaaaccagaa	agatgactgc	tacctcctga	gaatatccga
35101	gccaaaacta	gctagctaag	cctcccaaat	tgctgaScCa	tagaaactat	gaaacaataa
35161	gtgttttttaa	gcttttaaca	aaattaaaat	aaagtctctg	ggtaatctgt	tatacagcaa
35221	tgggtaacta	atatatacaa	ctattatcct	tacaatacac	gcataccttt	cctctaaaac
35281	tgaagtctta	tgctctccag	aatccaaagt	tgactctgtt	ggatatattac	atgtatatcc
35341	actggtctga	ggctttaggg	gaacattctg	tgcagtcata	atgttatctt	cattctttga
35401	gcttcttgta	gatctataaa	aatgataaat	gtatgagtgt	ttatacttct	tcaaaaataa
35461	attttcttcc	agaaacgata	cacaggtggg	tacaaagaca	atgtaatat	ggctataacg
35521	aatatcagat	cacctgttcc	aggttctgag	acttgcaact	agctaaggaa	ggaaactggg
35581	ttctaggacc	taccaagagt	cccaatttga	aaaattctga	tgagagaaat	ggagaagaca
35641	cctgccaaag	aaggtgggtg	aagggacata	aggagacctt	atctataagc	agcttgatat
35701	atattacagt	taatctatca	tggtttactg	gagaatccat	aaacaactaa	aattggcttc
35761	tttgatatcc	ctagtcagcc	tactgagggg	caataggggtc	ctcagaggga	ctgagctcat
35821	ctctttggta	gttagtttac	tccaaatata	tgcaaacaag	atacactctt	cctagtgact
35881	gtataattct	tcaggttcta	gtatcctcct	gggtcctacc	attaaagtca	aaagaaataa
35941	aagtgattac	aagagaatac	taggaacaac	tgtatgccaa	caaattaaat	aacctagatg
36001	aaatggacaa	actcctagaa	agacacaaat	tatcaaaatt	gattcaagag	gaacagctct
36061	caaaaatacca	tgaatcagta	atcaaaaaca	aactacccat	atagaaaagc	tcaggcacag
36121	gtggcttcac	tgcttttacc	aaacattcaa	agagaattac	gacaaattat	tcacaaaccg
36181	tttcaaaaaa	tagagagata	atacttccca	actcattgta	taaagccagt	attaccctga
36241	taccaaaact	aaacaaagac	aacagaagca	aagcaagcta	ccgatcagaa	cccctcaaca
36301	aaataactagc	aaattccagc	aacacaataa	aataaaaagag	agagaaaagc	agagaaaggc
36361	ctgaaaaaagt	gaaacagaat	gggtatggga	tttctttatg	cactataatg	atatacgcta
36421	atataatttta	ggacacactg	tcattttattt	cagtatatcc	tcagcacctt	actgattcca
36481	acacaaagta	tgtattacct	caataggttg	ttggaactaa	taagaattca	ttaaaagYat
36541	ctagcaaaata	tttggcacat	agtatgaact	caaaaaatgt	taactattat	catcctaaga
36601	agaaaagtat	taagctatat	tcctaataat	tgaaaatcaca	ttaatctcac	ttaaaaggaa
36661	acaatttgaa	ctatacactt	aaaaaagatt	aagacagtaa	attttatggt	atgtgttttt
36721	tgtctgtttg	ttttttgaat	ctctactttg	ggagcccaag	gcaggagaat	cacttcacac
36781	caggcggttca	agacaagcct	aggcaacaaa	gcaagacctc	atttctccaa	caaatataaa
36841	aattagccag	gtgtgggtgt	ccacactgtg	agtcctagct	actcaggaag	ctaaggcaga
36901	aggattatct	gaccagaag	tttgagttta	cagtgaggcta	tgatcacgcc	actgcactcc
36961	agcctgggaa	acagaggaag	actctgtctc	ttaaaaaaaa	aaaaaataaa	aaaaagttta
37021	actcttggtg	gacaataata	tcttattaaa	tttaacagtc	ataattccag	gtgctatgta
37081	ctattcccta	ttttaatatg	aggaaacaag	tgcaaggtac	tactttgcct	gtgtgtcaYc
37141	cagctaattgg	tagaggctgg	atttaataacc	agggtatgtc	gagtgcagag	ctcttcatgc
37201	taattactgc	ctgtccataa	atgactaaat	agcacaattt	attaaatgct	gaacaacaaa
37261	agtaactata	ttgtacacat	aacagacatt	acctagaaca	atcaagattt	ttcttcttag
37321	ccaagtctgc	ctcatcactt	tccaatggct	cactcagYga	acatctggaa	atttcatcat
37381	gaccaacgat	acctccagaa	ccttcagcat	ttaaaaactt	ctgtactctt	tggttgcctt
37441	tagttgctgt	cttctgcctt	tttaagtggaa	tagttttttt	cctaataattc	ttagatgact
37501	gatttggtttt	cttagtagat	tttcggctac	tattgtgatg	cattggtaat	tcatttctta
37561	ctgaagaatt	gctataaaca	ggacctgaag	gattcaatga	taacctaaag	ttagtaagtt
37621	tgtccagatg	atttggtctc	ctgaaatacc	aacagcattt	atatttgcat	ataaacatat
37681	acacatacac	acacacacac	acacacacac	acacacacac	acacacacac	acacatctca
37741	ggctaaattt	atttccaaat	ttaattcttt	aaacaatgta	gctcttcagt	ttatagatat
37801	atgaaacagg	cccttcaaat	ctgtcacagg	cttcaagaaa	cactctctgg	ctctgccac
37861	tgcccttctg	gccatcctta	atatctgata	ttccccaagg	tgacagcttc	agcttttcac
37921	tccatatact	ttcattgacg	gacttatcta	cccagagctt	taattactat	ctatatgctg
37981	acacctataa	tatccatcta	ctgctctccc	ctatatctgc	ctctcttgct	ttatttctta
38041	tcttaatgaa	aaatacaact	acctattcta	tccagatata	taaatacaga	atttgagtca
38101	tgaagacta	ctactcctat	ccacaatcac	gccctaaatc	ccatcaattc	cattttatta
38161	atgcctttca	aatctttcaa	gctctccctc	ctgtcattag	tagaagtcct	cattatttca
38221	tatctggatt	attaaacag	tctctttact	aatctccccc	tccctagcct	tgtttttctt

## FIGURE 4-K

38281	caatccattc	cctacactgc	tgcaagaatc	acctttggaa	aacaaaaact	ggatcattac
38341	aactctgctt	aattaaagta	ttttagttaa	tatctatagc	ttcaggatga	agtccaaata
38401	cttcaacatc	aattcatatc	tacatctaga	tttgcttatt	tcataaacca	caattcccaa
38461	aacccccctc	caaacaaaca	aacccaaaaa	agccatcagt	aatgaacaat	ctacagtttc
38521	tctaaagcac	tggttggtcca	aaggcagctc	ctagaccagc	aagatcagca	ttatctggga
38581	atttgaaatg	taaattatca	tgccctcacct	cagaccccag	tgaatcaaag	actttgcaga
38641	gcagggccca	gtaacctgtg	ccttaataag	ccccccagac	aattctaaag	cacactaaat
38701	taaagaaaga	aaagatcaag	ctctctgctc	cagatctctg	cacaagctac	ttctacttaa
38761	aacattccat	aacttcctcc	ttactccact	caatcactta	gctaactcct	agttcatcct
38821	tcaggaaRct	ttccctaatt	tccaagtctt	aggtagcttg	ctatcacaca	tacgactggt
38881	tacttatctc	tactttctctc	ctccagcaga	ctaacaactc	cttgacctca	agtaattgat
38941	tggtatttta	tctatgtata	ttcccaatgc	ctaatagcag	gggcaggact	atgggtgaagc
39001	aagagtagcc	tcagctggaa	aattcaagaa	ggtagctcatt	ttcagggtctg	tgcaagtaca
39061	gagcccgaac	tgatacaatc	ctgtgactga	ctgccttaaa	tttttcaccc	tagtgtctca
39121	ttgtcttacc	ctagtccctgg	tcctacttta	cctcattcct	gccccatggc	aagtactcca
39181	tatacatctc	ttcatatata	tggaagggca	acagtgtcac	acgtacgaca	ggcaggctgg
39241	gggcagggtca	agttgttctt	cttaacttca	gacttcagtt	tcttcttcca	tcagatgaga
39301	gttttagacta	tatgatata	aaagattcct	ccactttttc	gactcccagc	ttgatcaaaa
39361	atccaacatc	tatttcagga	ctcttaaata	agtgtttttt	gatagtttca	gagatctagc
39421	acattttatcc	aagttctgtg	agaatttatt	tacccatctg	tttatgtaYt	catctgccac
39481	atagtactta	gcatttcagg	caacctgggg	cagaaaagtg	agttccccaa	agcagtaaca
39541	gtattcttta	acacttcaat	actaacatat	gccacctact	atgctaattg	catttcaacc
39601	ttataaaaaac	tcaatgaggt	aatcatgtta	cagaatgaga	aactaaacaa	agcaatctac
39661	tcaaagtggga	agagtgtac	tttgaactca	gatctcactc	caaaatccaa	aggctgcaac
39721	aaaataaata	cttgctgcta	tccatcaaga	atctcaatga	tttaataatt	catagcaata
39781	aggcctcaca	tatacaatgc	catagtgtga	ctaatacttc	acttattaat	ctaaatgccc
39841	caaagtcaat	agtattgtg	tatgttaatg	ctaccttatg	atccaccaat	cttttcaggga
39901	tcacttttctt	taaaaaggga	caattctccc	aaaacaataa	atgtttcata	ttgtgcagaa
39961	aaaagttagc	aaagcaggtc	tgagtatact	acccttaaaa	gggcctgctt	tcaaagttag
40021	ccctgtaaac	ttaaatttca	ggattgttcc	cgtcatttcc	taattggcaa	acgtgggtgtt
40081	gtgggcctaa	actgcttatg	caaaaaatat	ggtttaggca	aatattgcct	tccttcagggy
40141	agtcctgaat	tgtagtactt	gttagataga	gagtacctat	gtgaccaccc	ccaggaaaga
40201	tcttgggcac	taagtctcta	gtgagcttcc	ctRatagaca	ttttgcctat	ttgtcacaac
40261	tcattgctag	aggaattaag	cagctcctgt	gggaatccac	tgggaaagga	ctctttaagc
40321	ttctgctgat	ttcctccaga	cttaaccat	gcactttttt	tctactgaat	ttgactgca
40381	tcctttcact	gtaatgaatc	acagccatga	gtacaactat	atgccagctc	ctcctagcaa
40441	attaccaa	ctgagggtag	tcttgggaac	cWccaacaca	agtaattttac	ttttttatgt
40501	gtaataaaact	ataatctttt	agattataaa	ctccttggtg	gcagaacctc	atattatcaa
40561	tctttgtatc	cctcacagcc	aggacattaa	aatagctgga	ttattttatat	tgctttccc
40621	aactagaatg	caagctccat	gaaagcaggg	atctctggtt	tggggttttg	ttttccaca
40681	gctattatcc	ctattcctaa	aataactgat	atattaacgc	ttcaaggaat	atctttacca
40741	ttgattta	attccttttg	atgacccaat	ttactttggt	cctcatgata	ttcttatat
40801	agaaatataa	aatcaaacat	aatgccctt	acagaatgat	tttgtctatg	aacaaacaca
40861	atttaaataa	aaatacttac	tctcctctga	ttttaccacc	caccaatcag	atggacgct
40921	ggaaattctt	cgacttttgc	tgacagtga	agtcacttct	tcaggtacaa	gtttgttctt
40981	ggactcactg	gaaaagcgct	tctttttaga	ttcttctcta	tcttttctag	tgctactttt
41041	cttgcttcct	aaaataaaga	aaaccataaa	accaattcac	aatctactaa	aagagttttc
41101	agaaaaccac	aagattataa	aaaaaccgtc	aattacagga	acttcttaaa	tttatcctgt
41161	ggccttttca	tctccatttt	taaaagtcac	atgttctctt	tctgtcaatt	atatgtgctg
41221	ctgaagtaag	cactaaactc	ctattaaatg	caaattttca	cactgcttga	taactcttat
41281	atactcctca	gccccaaaaa	taagtatctt	ctgaaactga	aaaaaaaata	cagttccttc
41341	ctataacgctc	ctaagtaaaa	ctaggcaatt	actgctttcc	tgttttgaaa	taatgatttt
41401	tttcaactta	agaagaggag	atttaaagtg	tgattaaatt	ataaaactctg	aaatagaggc
41461	attatcttgg	atcatccagg	ttgacccaat	ctaattatgt	ttcttttaaa	agctgtgggc
41521	agagagatga	gatgatggaa	gaagaggcaa	gataaattca	caacatgaga	aggctgggtat
41581	tgctagtgtt	gcagatgggtg	gaggaggacc	atgagtcaag	gaatataggt	agtttcaaga
41641	gggtggaaaa	ggcaaagaaa	cagacttcct	cccagagcYa	cYagaaagaa	agaaaacccc
41701	accaatacct	tgattttatc	ccagtggagc	atctgaccca	cagaactgta	agataatcaa
41761	tgtttggtgt	tttaagccaa	taagtgtgta	gtaactgtgc	atatgacagc	aatagaaaat
41821	taatacaact	gatatggtaa	ttaatgagca	ttatattcac	taaccaatct	agatacagaa
41881	tatatgtaaa	aattagtgtg	tagaatatag	cagggtactca	gaaaatgttt	aatattttaca
41941	attatagagc	gcattcttca	agtatacttc	cttcatatgt	cttttcctaa	gaaattatgg
42001	ataaatcaaa	attttgtatc	cttcctttta	atcctatgca	tgatgtata	ttatctatta
42061	ttctacagaa	cccaccagaa	tgatcttgtt	aacagtagaa	ataatggggt	agtaattttt



## FIGURE 4-L

42121	gtgattacag	tgcctaatagc	agtgtatggc	attcaacaac	tgtagacac	atgagtgaat
42181	gatggaagag	aatggacttt	tatctctata	aaaaatagtc	ccacgggtacc	ctgggatttt
42241	ttttaacatt	tttattttct	aaataattta	tcattctgtc	ttattcatct	tccgatacta
42301	acttgtttac	tagccttttc	ttttcacttt	gccctctata	tatactgcca	tctcacaaga
42361	taaacaaaaa	ctatatgagt	tagaattaaa	ttatatataa	aataaaaaag	ttctagaaaa
42421	gaacctatag	gcttttcagg	ctctttgttc	athtaggttt	actttgccta	cttgccaaag
42481	ctaagttagg	atattaaaaa	acataaaaatg	ggtagaataa	tgctcatggt	tatatttaat
42541	ataaacactt	acccacagg	ggcatctggt	ttttgaaaac	acaatcattt	cccatctctt
42601	catgctcttc	cataattctg	tctgaatttc	tttgaaattc	gtcttgggta	atatgtgatg
42661	tatgtatggt	ttcatcttta	gactgtccca	catcaagctg	ttcttcagct	ggtttagcca
42721	tgaattttct	tctctgtttt	tgttttatag	tccttttgct	tctagatggt	ttttctgcat
42781	tcttggaaata	catttcatat	tttttagatc	tataattatt	tactgtttca	Yctatcaaaag
42841	cataacttgt	atccagtact	gtttttcag	agggctgaga	tgtctctact	gggtgagggt
42901	tatgggaatg	tttgtcattt	gccaaagtct	taggtaatat	attatgatgc	ttttctcttg
42961	actttctacc	ttgaaRgagt	gcagtgtctt	cagccgggga	tattgtgcgt	gttttcagag
43021	accctgcctt	tcttgggtatt	gtaatccaag	atctactggc	aaaactttga	tccgactcat
43081	caattataaa	ttcatcctct	atcaacttcg	tatcatcggg	aggacacgaa	tgagggtgag
43141	cagttgccgc	atgcctaaca	atgggactga	aacagggtga	tacttttaac	agttcaaaaa
43201	aataaaagctt	ttatatattgt	ttagtaaaga	aaataatcta	ggaaataaaa	tctaaatttc
43261	ttttaaactg	tttatataatc	tcctcaattt	tcctttaatc	ttacaaatct	ttccctcctt
43321	tcacattttct	atgtctgttc	acccttattt	ataatagtaa	tgacatcaca	aaaaatttaga
43381	gctagaaatc	tagacatcaa	caaatttgat	cccacccacc	caccatttat	ataattataaa
43441	actgaagccc	agagagatat	aattataact	cagatacatt	gactcacagt	ccaaaatgaa
43501	tgccactatt	atatataatc	ttatatataa	ttatatattt	gtatatataa	cttttgggggt
43561	ctgaattttct	tcacattcaa	aataagtcaa	caagattatt	tctgagaaca	ctccaagtct
43621	aatatttgaa	tggactacta	ctaaattata	aaaagttgag	gaggccggat	gtggtggctc
43681	acgcctgtaa	tcccagcact	ttgggaggct	gaggcagggt	gatcacttga	ggtcaggagt
43741	tcaagaccag	cctggccaac	atggtgaaac	cccgtctcta	ctaaaaatc	aaaaatttagc
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43861	cttgaaccca	ggaggcagag	gttgacgtga	gccgagattg	caccactgca	ctccagcctg
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43981	gggacaattt	cttcctatct	ttttttacat	cccacagttc	ttcatacata	gcaaacacaa
44041	atacacagac	ggttgaatga	atgtaaaaat	tactaatatt	actataggac	tgtaaatgtg
44101	agacctacag	aactataaaa	taataaaaYgt	tgttttaagc	cgctaagtgt	gtagcaactt
44161	atgacagcat	gtgtgtaaaa	atgcattcca	agttYgggta	tttcacatat	attttcatat
44221	tataatcatg	gtatagaaat	aaatggagtg	tatctagaaa	ggtagcataa	gcacaaaaga
44281	aatctagtgc	cacagaaaaca	ggaaaaataa	aaggcaagtc	ttatcacaaa	gcatacaatg
44341	ctacagaatg	ttattaaata	atgaagtcaa	acaatgtttc	ccaactctag	acctttctcc
44401	atagtcctag	cccaaacttt	atgtatttta	ctaaaaggca	gaaagcctat	atcatgaata
44461	ttattgttat	ttcccatgcc	cagtggttga	aaaggctaaa	gagtaagaca	gacaatttca
44521	actacaatct	tatggcttat	aatataacat	caacattaat	tcttaaattt	tcataaaaagc
44581	atgtactagt	taagaacata	caagagatt	catgcattta	atgaggtgtt	gaataaaatta
44641	agactagtgc	attgagatta	cacagtaact	cctccaatta	gtcaggaaac	tttccctagag
44701	aaggaggagaa	ttattccaag	gacagtaatc	tgatagactg	actaatttta	catttccctg
44761	attgttttaa	tagctttaag	cacaccacat	attgcagtga	gatacacaaa	ataaaaaaca
44821	aggtaaacat	ccaaaactcca	aagctggcat	acgcactcgt	ttccactttt	tcactaggat
44881	aagaaggctt	agtttagctat	gttttagccat	aacagaaaaca	aagacagaat	gcaaaaaatta
44941	gattatgttt	ttctctttta	attagaacat	acacaaggaa	tcagaaatga	aaatgccttc
45001	tctattcctc	taatcgcaaa	ctcctgacaa	atcttataat	gtaaaatagc	aaatactcta
45061	aaaaatatac	tctctaattgg	tagagtttca	caaacttata	taattagaaa	actctataaa
45121	aactaataaa	gaacaaaagtc	aatacaaaata	ctacaatgaa	tggaatgtta	acagaaatga
45181	tatccttagg	aaacaaatctt	gacactatga	aagttttacaa	tagggaaaaga	tggcttctaa
45241	ttagctacaa	aaactatgaa	acgcttttga	gcatttaggc	tagatcttgg	aggattttcta
45301	agatttggtc	acaaggaaat	gcaagaaaga	caatcaaaaag	gaagagcata	agtgggaagca
45361	atgatgctag	aaagcactgg	gaataatgaa	tagttatatt	tgactacaac	aattaaacat
45421	aagatgaact	ttactcacta	gagtatcaaa	aagaacatta	aaaaataatt	tctcagacat
45481	tatataatta	gcccacaagt	ataacgcatt	tgtttcagat	ggtggtgaca	ataccatat
45541	gaggttttaa	atatacacat	aaaaataatt	aatcaactac	aggaagcaga	gactgaacaa
45601	aagggggaatt	tcattcatct	atttaacatg	tttttataaa	aacttccttt	ttatttttga
45661	gactgagctc	cactctgtca	cctaggctag	agtgcagtgg	caccgtctcg	actcactgca
45721	acctccacct	cccaggttca	agtgtttctc	ttacctcagc	ctcccgaata	gctgggatta
45781	caggcatgtg	ccaccaagcc	cgactaattt	ttgtattttt	agtagagatg	gggtttcacc
45841	atgttggtca	ggctggtctt	gaaacctctga	tctcaagtga	tccacccgcc	tcggcctatc
45901	aaagtgctag	cattacagac	atgagccacc	gcgccagca	ataaaaaactt	cctagtatat

## FIGURE 4-M

45961	tcactagcac	tctgatacct	atgatagtga	cataagggca	gcctaacata	acgattttcta
46021	aatactgcat	tgtcggccgg	gtgcggtggc	tcaagcctgt	aatcccagca	ctttggggagg
46081	ccgaggcaga	tggatcacct	gagggtcagga	gttcgagacc	agcctgacca	acatgggggat
46141	atccccatctc	tactaaaaat	acaaatatta	gacaggcgtg	gtggcaggtg	cctgtgatcc
46201	cagctactcg	ggaggctgag	caggagaatc	tcttgaaccc	aggagggaga	ggttgcaatg
46261	agccgagatt	gcgtcactgc	actccagcct	ggaagacaga	gcgagaccct	gtctcaaaat
46321	aaatacacat	atacatatat	aaatactgca	ttgacttcag	tctttgatata	cacacagaca
46381	aaccagaagg	caatgaaaac	tgaataaact	tgttttcttt	caagtctaata	ttagtatcta
46441	ttaaaaaatg	gctttgggag	tgactcactg	actggtaaaa	aaccatctct	ccttacaggt
46501	cagaaaaaat	ttcaattaaa	atttttgtta	attaaattac	ttattttctaa	gttaaatagc
46561	attaggaatc	cttatatatg	gttcatagaa	tataaaaagaa	aaatgtctca	aagggcagtt
46621	tcttaataac	tcacctggat	tcactttttc	gttttactgt	ttctaaaaac	aatgttgaaa
46681	aacttttttt	agcttgtcgt	tgaatttcat	attctgaatc	tcgtattcta	ttctgagatg
46741	atcctgatgg	ttttctttct	tgtccttcYg	atgttttatc	ctcttcatct	gatactttat
46801	tatctatttc	tattttcttt	aacataaact	tatcatcaaa	gttttaacct	aaagggtaaa
46861	aggagggtaa	gctgaatgct	cccgtaacgt	ttcttgagtt	ataagtcttc	ctgaactcct
46921	ttacagagac	aatacagacc	aattttaaaat	tctgtactag	gcattttattt	aagacataaaa
46981	tgctgatttg	tgcatcccaa	atacataaga	taaactgctc	aggaaaaatta	acttttgtat
47041	ttatcaatag	aaaaacatga	aagagaaaaat	aatggctaaa	gtatacatca	atgaaatgta
47101	tagctaggca	atggttctca	gggcaatctt	agagcactgt	gacagaccaa	actttgaata
47161	tcaaaagtctt	agaatatact	taactccttg	gctccagtaa	tcatacaata	ctctaaatag
47221	aaattacact	cattacagag	atctccaaat	gcaaaagacc	tggaatccac	ttgttttctt
47281	aaaggccaaa	ggtaagggtca	agaaagagaa	accagctgtc	cacaaagcat	agcatcctca
47341	ataatactta	tgctctgcta	ccSttgaaagt	gacctgatac	acatctacac	ttgcaattac
47401	aaaaaatatt	gagaaaaatc	aaattgtttc	tcttaggaag	caatcaaaata	ttatcagaga
47461	gaaaacacat	tattccagac	tatagaaaaa	ttaacctcta	aacttctctg	aagtacactt
47521	taagcccttc	cttaattatt	acaaactgaa	tatatgctaa	atgtataactt	tctcataaca
47581	tgттаатatt	cctccttctt	tagtgtaaaa	taatataaca	agattgaatt	accatttttt
47641	aatacaaaaa	gtaaaatttt	taaagtgcgt	taacattatt	taaataaaat	gttacctttt
47701	tttggttttt	actgaaacct	ctgtacttga	aggcagcata	tttactgaat	tttcaaaagt
47761	gtaagctctt	ctcttttggg	cactagatgg	aataacattt	tgtgatacag	atgtttttgc
47821	atccaaaaga	acagaagggtg	agccaacgga	taagtaaaat	tcttcatcag	cttcacgtg
47881	atgatcattt	atgtttctac	ttgatatttt	tttcgagtca	ggtgtatttt	tggaactaac
47941	atcagttgcc	agaattttct	gatgaacttc	atgggcctga	actagaagaa	aattatataa
48001	agatatttgt	caattaaaag	aataataaga	gaatcaagca	ggctttttta	aaattctgca
48061	ataatttaat	cagaaatagt	tttcagaaaa	ctcaaagtca	ttaagattag	aatcaaagat
48121	ctatgattaa	aataagtaag	tacttaaat	tcttctatct	ttgggctaaa	aattgggtgac
48181	ctagggcagc	tagatgatat	atttacacat	acacacatgg	aatatagata	taacagatat
48241	agagagatac	aacataagca	tgtgtgtata	tatacataca	cagtatatat	gtatatgaac
48301	atttatctat	aatgagaaaa	tttaaaagaa	tgtatccata	ttctcttaac	cctcaccctt
48361	cagaaagaga	tggcatttcc	ctgcttctcc	ctctaaatac	aactaacttc	cctggaaatt
48421	atccatcaat	caacaacagg	actctgaaag	ctggaagaaa	aaaaggtaga	ctagctagga
48481	agctcaagac	cagaaacaga	caagccttag	gttttctgtc	tgtctcccat	atacccttgg
48541	actggttgct	agtataacct	gtaaccacca	ataggtgaaa	gacaggggtg	aggctgggtg
48601	gaaatgcatt	ctctgaacaa	ggtaaaccca	ccgaagacct	aatgaggaaa	ctcaagcccc
48661	attcagcact	ctcggccatg	gagcactcct	tactacctgc	attggcaaa	caacaaagcc
48721	ctgggctgtg	ctatgggact	gtagcagttaa	aggagctcat	accaagccag	tcccgcttct
48781	acaatcatag	atggcaggcg	gtatgacca	catgaagctg	tagagtagtg	aaacccttga
48841	ccYtcacagc	ccaaggcaac	attttgatcc	actgatagta	ttgacacccc	aggccatccc
48901	agtccctact	ttacaaccag	ggcaccagca	gacagtctaa	tctgaggcaa	gaacagcgta
48961	agagaggcca	gcaacccctc	gtcctccacc	caatgatata	aggaaaccca	ggaccagcag
49021	cttctaacca	gaaccccaca	caagtgaaca	tggacatcaa	aaggcatctt	ctacccaccc
49081	cagacagcac	caacaggaac	tgagctagaa	tcctaacagc	atcagaaaaat	gaagtagaac
49141	aaaataccac	tattactctg	aacacttaac	tatcattgaa	aataaaaactc	ataaaaactag
49201	gaaagagggg	ctgggcgcag	tggttcatgc	ctgcaatccc	agcacttttg	gaggccaaaa
49261	cggggtggatc	actggaggcc	aggagttcaa	gaccagcctg	gccaacatgg	cgaaccccca
49321	tctctactaa	aaatacaaaa	attagccagg	cgtagtggca	catgcctgta	atccagacta
49381	ctcgggaggc	tgaagcatga	gaatcacttg	aaccaggag	gcggcggttg	cactgagcta
49441	agatcacacc	actgccctcc	agcctgagcg	acagagcaag	actctgtctc	aaaaaataaa
49501	caaataaata	aataaataaa	taaataaata	aataacacag	gaaagaacct	atacatataa
49561	ccaaaatagg	gcaactatgt	gctgtaacaa	aagatttaag	tagtctaaga	atcccctaac
49621	ataagtaacc	aaatctcagg	aataactca	aaacaactcg	tcataccaaa	accaaaacaa
49681	accaaaaaaa	aaaaaaagta	agaaataatg	atcaatagac	ataaatgaga	tgaatcagat
49741	tttaaaatta	tttaacaata	aattttaaa	caaacatcat	aaaatgcttt	aataatcaat

## FIGURE 4-N

49801	tacaaatcct	cttghtaaca	atgaaaaaga	aactctcaaa	gtagcatttt	ttaaaaaaa
49861	gttttttggg	tattagccat	tatcagtaag	tagtgatttt	taaatattat	tttaaatttt
49921	cctaataaca	gtgatgtaaa	acaaatcaaa	actacaatga	gatactacat	cacacccatt
49981	aggatgacta	ttattttata	aaacaaaaga	taacaactgt	tgatgtagaa	aaaaatggaa
50041	cctttgtgca	tgactgcta	gtgtgaatgt	agaatgacag	tcactatgaa	aagtgcacag
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50161	ttcatagcag	cattactcac	aatagccaaa	aagcgaaaac	aacccaagtg	cccatcaaca
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50401	ccagggctaa	tggaaaaaga	gatactgttt	aatgggtaca	gtgtttcagt	tgtgaaaaat
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50521	gctactgaac	tgtatactca	gaaataaagt	ggacaatttt	atgtttatat	tatacaatat
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50641	aaacaaaaag	tcttgtaaag	ttaaaaata	ttaaaatacc	tgacaacaga	aataactaac
50701	agtagtattt	aagttgggaa	ttcgttgttt	cagttaccat	gtctgcataa	tataacttct
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50821	agcagagcac	agaagggacg	gattcttcca	tgaagtctga	gccctggaat	catctgacag
50881	cttgttttaca	catatttgac	acctggtctt	gactgcaggc	tgggagtcct	ttctctccat
50941	aatggctact	ttgggcttct	tcacagcata	ttgtctgggt	tccaagggca	actggagaga
51001	ataagaagaa	caggaagaga	gagagagaag	gagagagaga	tccagcatgc	caagcagagc
51061	catatagcct	tttatgacct	aatcatgtga	atcacatgta	ttacatatgc	cacattcaat
51121	gtatatgtag	aaacaacctc	aatgaagtgg	atggggggaa	aggtgatgac	ctaagaaaga
51181	tcagaaatga	atcaaaggcc	aggtgtgtgt	gctcatgcct	gtaatcccag	cactttggga
51241	ggccaagggt	ggtggatcac	ctgaggtcag	gggttccaga	tgagcctggc	caacatgggt
51301	aaacccccat	tctactaaaa	atacaaaaaa	tatgtgggcg	cagtgggtgt	tgcttataat
51361	ccagctact	tgggagctg	agacaggaga	atcacttgaa	ctcaggaggc	ggaggttgca
51421	gtgcaccaag	attgtgccat	tgactccag	cctgggtgat	aagggcaaaa	ttccatctca
51481	aaaaaaaaaa	aattaaaagg	aatgaatcag	ctgggcatgg	tggctcacac	ttataatccc
51541	agcccttttg	aatgctgagg	caggcggata	acttgaggct	aggacttta	gactggcatg
51601	gctaactatga	tgaagccccg	tcttacttaa	aaacacaaaa	aattagatga	gcgtgggtggc
51661	tgctgctgt	aatcccagct	ctgaggcagg	ctgaggcagg	agaattgctt	gaaccttggg
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51781	gactctctca	aaaaaacaaa	aatgaatga	cgtctgtaag	actgaaggca	aaagaaactg
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52141	tattgtacac	acacatacat	ttaccagct	ctatcagttg	aaagggtcta	gcagcaacaa
52201	ctctacagga	gtgacagcac	acctagcact	cagatcttgg	tttctaataa	cattaccag
52261	ttaaagaaat	catgattcca	tgaagaaatg	gttgattctg	ggatggggca	ggagagcatc
52321	ttgtggctct	aaaaggatat	aaagtgtcta	gaaacaacaa	caaaaatggg	ccatgtcaaa
52381	gggacactgg	aaccaaagta	agagcttcta	ttagccaaat	ctgcaacaat	ctgaataaca
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53041	atgaatgaac	tccatttcac	aactgctaca	gagaaaaata	aatacctagg	aatacaactt
53101	acaagggacg	tgagggacct	cttgaaggag	aactactaac	cactgctcaa	ggaaatgaga
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53281	ctttcttcac	agaactagaa	aaaactactt	taaatttcat	atagaaccaa	agagcccata
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53461	tagaccaatg	gaacagaaca	gaggcctcag	aaataacacc	acacatctac	aaccgtttgc
53521	tcttcgacaa	acctgacaaa	aacaagcaat	gaggaaagga	ttctctgttt	aacaaatggg
53581	gctgggaaaa	ctggctagcc	atatgcagaa	aactgaaact	ggacccttc	cttacacctt

## FIGURE 4-O

53641	atacaaaaaat	taactcaaga	tgcattaaag	acttaaattt	aagacctaac	atcataaaaa
53701	ccctagaaga	aaacctaggc	aataccattc	aggacataag	catggggcaa	gacttcatga
53761	ttaaaacacc	aaaagcaatt	Scaacaaaag	ccaaaactga	caaattgggat	ctaattaaat
53821	gaaagagctt	ctgctcagca	aaagagtga	caggcaacct	acagaatggg	agaatatatt
53881	tacaacctct	ccatctgaca	aagggtcta	atccagaatc	tacaagaaac	ttaaacaat
53941	ttacaagaaa	aacaaaaaca	aacaatccca	tcaaaaagt	ggcaaatgat	atgaacagac
54001	acttctcaga	agaagacatt	tacacagcca	acaaacataa	ttaaaaaaa	gctcatcatc
54061	actgggtcatt	agaggaatgc	aaatcaaac	cacaatgaga	taccatctca	caccagttag
54121	aatagtgate	attaaaaaga	caagaaacaa	cagatgctgg	caaggatgtg	gagaaacagg
54181	aagactttta	cactgttggt	aggagtgtaa	attagttcaa	ccattgtgga	agacagtgtg
54241	gcaatgcctc	aaggatctag	aaccagaaat	accattcaac	ccagcaatcc	catcactggg
54301	tatgtaccca	aaggattata	aatcattctg	ctataaagac	acatgcacat	ctgtgtttac
54361	tgagcacta	tttacaatag	caagactgtg	gaaccaaccc	aatgccccat	caatgataga
54421	ctggataaag	aaaatgtgac	agatatacac	cacagaatac	taagcagcca	taaaaaagaa
54481	atgagttcat	gtcctttgca	gggacatgga	tgaagctgga	aaccatcaac	ctcaacaaac
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54661	aggggaaggga	gagcattagg	acaaacacct	aactcatgtg	gggcttaaaW	ccaagatgac
54721	gggttgatag	gtgcagcaaa	ccactatggc	acaggtgtac	ctatgtaaca	aacctgcatg
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55261	tataaaaaat	agcaatagtg	cacaataatt	gacattttata	gataactaca	cccaacaaca
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55441	atcagaaatt	aataaggaaa	agataatatg	aaattaccaa	acactggaaa	attaacacac
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56221	tctccaatct	cagactccca	aagtgtctga	actataggcc	tacgccacag	tgcttgacc
56281	catcactggt	atttaacata	atactgaagt	actagctaatt	aatagtaaga	aaaggaaatt
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56401	ctaatttcag	ttaaaatcat	agaacagaca	tggtaccta	atatcatcat	tattaaacaa
56461	cactgactca	gagattctag	caaaggcaag	aagactgaaa	taatcagatt	aaacataaca
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56581	aaatttttaa	aggtctagaa	ttattttttt	taaaaacctt	ggtaagtgtc	gaattaaaat
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56881	caaccatcat	catttctaga	actttttcat	catttcaaac	aaattctgta	cacatcaaac
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57241	ataatatgc	tacgaatatt	agtatacaaa	tgtctgtctc	catccctgct	ttcaattctt
57301	tgtgggtatat	acctaggagg	gaagtattgg	gtcatatggt	agttctatgt	ttcaattttt
57361	gagcaactat	caaattgttt	tctatggtgg	ctgcaccatt	ttacattccc	accagtgatg
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## FIGURE 4-P

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57601	agaaaagtct	atacacagaa	tgtaaagtc	tttgctcatc	ttttatttgg	gttggtttgg
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57961	cgcttgcaa	attttggtat	ttttagWaga	gatggagttt	taccatgttg	gccatgctgg
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58381	tatcaaaatt	caaaagtatg	ttgaatgtta	tgtgagattt	aatatataat	aaaagtagta
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59881	gatataat	aaggaccagc	ttacagggct	accccttggg	tggcatctgg	agacttaact
59941	tatagaattg	tccctccatt	accaacagag	aaggttgcac	ctgctgcgcc	agcttgccta
60001	gactgtttgt	ataaataaac	actgtgatct	gtggtgaaca	tctgctttct	ttccttctgg
60061	gagtgcgtaa	aattttggta	ggcaggggat	gcctatggga	ccaaccccca	gtgaaaacag
60121	gctgagtttc	aaaaggcttc	tctgaggaga	aaaaatgtac	acacgttact	gcatttcaact
60181	gctgaaggga	atgagtacat	tctatatggc	cccttgRgga	acacaggaag	cctatatatg
60241	gattcctcca	gactctgcta	atgcgcattt	ttcccttact	gacctagctg	tgtatcctgg
60301	ctgaatgact	ataataagta	tcagtcatga	aaaacaccaa	aagcaatggc	aacaaaagtg
60361	aaaattgaca	aatgggatct	aattaaacta	aagagctttt	gcacagcaaa	aKaaactacc
60421	atcagagtga	acaggcaacc	tacagaatgg	aagaaaattt	ttacaatcta	cccatctgac
60481	aaagggctaa	tatccagaat	ctacaaagaa	cttaataaaa	tttacaagaa	aaaaatcaaa
60541	cagccccatc	aaaaagtggg	caaaagatat	gaacagacac	ttctcaaaaag	aagacatcta
60601	tgcagccaac	ggacacatga	aaaaatgctc	atcagcactg	gccatcagag	aaatgcaaat
60661	caaaaccata	atgagacact	atttcacaaat	agttagaatg	gcaatcatta	aaaagtcagg
60721	aaacaacagg	tgctggagag	gatgtggaga	aaYaggaaca	cttttacact	gttggtggga
60781	ctgtaaacta	Kttcaaccat	tgtggaagac	agtgtggcaa	ttgctcaggg	atctagaact
60841	agaaataacca	tttgaccag	cgtcccat	actgggcata	catccaaggg	attacaaatc
60901	atgctgctat	aaagacacat	gcacacgtat	gtttatttga	gcactattca	caatagcaaa
60961	gacttcgaac	caaccctaat	gtccatcaat	gatagagtgg	attaagaaaa	tgtggcacat
61021	atacaccatg	gaatactatg	cagccataaa	aaaggatgag	ttcatgtcct	ttatagggac
61081	atggatgaag	ctggaaacca	tcattcttag	caaactattg	cgaggacaga	aaaccaacaa
61141	tcgcatgttc	tcaactatag	atgggaattg	aacaatgaga	acacatggct	acaggggtgg
61201	gaacatcaca	caccagggcc	tgctgggggg	tagggggagg	ggggaaggat	agcattagga
61261	gatacaccta	atgtaaatga	cgagttaacg	ggtgcagcac	accaacatgg	cacatgtata

## FIGURE 4-Q

61321	catacgtaac	aaacctgcac	gttgtgcaca	tgtaccctaa	aattttaaagt	aaaataataa
61381	tttttataaaa	agcaataaaa	aataagtatc	agtcatgagt	tcaactatat	gtcaaatctc
61441	ccgagtcctt	ttagtgaagc	accaaagtgt	gatggtagtg	ggacctctgt	cacaagtggg
61501	agcagaagt	tggacacagt	atcRgcacag	tagagaaata	aataaatgac	agacttacat
61561	ggtttgcctg	tgtccccaac	caaactctca	tttgaattgt	atctcccaga	atttccctgt
61621	gttgtggaag	gcgcccagg	ggagacaatt	gaatcatcag	ggtcagtcct	tcccatgcta
61681	ttctcgtgat	agtgaataag	tctcacaa	tctcatgggt	ttatcagggg	ttaccacttt
61741	tgtttcttcc	tcatttttct	cttgccacca	ccatggaaga	agtgcctttc	gccctatgcc
61801	atgattatga	ggcctccaag	ccatgtggaa	ctgtaagtca	aattaaacct	ccttttcttc
61861	ccagtcttag	gaatgttttt	atcagcagtg	tgaanaatgga	ctaatacact	acactgctgt
61921	tgagtgaaca	cagtatggaa	ttcaatgcca	taaaaagaca	gaggcaggct	ttcattttat
61981	ctctgctctc	tcttaacatc	tcattaaaga	tttttataaaa	caaactcaga	aggatgaaga
62041	gagagacaaa	ggagtagatg	agacatgtca	gcaaacattt	ttaggttgaa	aagcaaaacta
62101	ctggtaattc	agcaacccag	agagaatgga	aacatgctag	caatggagaa	aaccagaag
62161	cagacagatt	actgtttatg	gagaaacct	taaagattag	tagaattgca	agacaccact
62221	aaaaaaaaagg	ggcaggccag	atgcagtggc	tcacacctgt	aatcccagca	ctttgggagg
62281	caaaggcagg	agtatcactt	gaggtcaaga	attcaagatc	agcctgggaa	acttagcaag
62341	accacatctc	tgtgtataaaa	tataaaat	gccaagagt	gtggtgcatg	cttgtgttcc
62401	tacctactca	ggaggctgag	gcaggaggat	cacttgagcc	cagaggtttg	aggttgcagt
62461	gggctatgag	catgccactg	cactccagca	acagagcaag	accctgtctc	aaaaaaaaaga
62521	agaggcattg	aaacagagg	tgYtaaaag	gtgtatagtt	gaatgtgtct	tttgtcgcag
62581	aaaaaaaatt	gtgtatagca	agtgtttaa	ctggctgggc	gcagtggctc	acactgttaa
62641	tccccatact	ttgggaggct	gaggcggtg	gatcacctga	ggtcaggagt	tcaagaccag
62701	cctgatcaat	atggtgaaac	cttgtctcta	ctaaaaat	aaaaattaac	caggatgggt
62761	ggcaggcacc	tgtagtccca	gctgctcgag	aggctgagac	aggagaattg	cttgaacccg
62821	ggagRMagag	attgcagtga	gccgaaatcg	tgccacYgca	ctccagccca	ggagtgtttt
62881	ttctcaaaaa	aaagaaggta	gtaaaaccga	agagccctc	ccaaacctat	cagaagatta
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63001	gaagttaagg	gcaatacatg	aaaaccagag	atattaagta	ggagcattta	aactgcactt
63061	tcccctttgc	cacatctgac	tgaatttgaa	aacaatcgca	gttagacttg	aaccgccaag
63121	cgggaaagat	ttctttgtca	gaaatactta	ctaggccaag	agaaaagaaa	tctacagata
63181	ttaaccaccag	gataccaatg	atgaattgga	ccaaactaca	ccacagtgc	atccaccagt
63241	ctacaaat	tactaggcat	atagagcttc	caatgtgttt	tagtttccca	ctttcaaaaca
63301	agaggagaca	gctaaggatc	actggacata	tgaanaaggc	gaggtaatga	gcaaagtaag
63361	taaaaaagg	acttgcagaa	aacagaaact	gaagaaataY	ttatgaaaag	ggttagatga
63421	acctaattgt	aaggaatata	ataaaaattt	agatcactaa	agacagatga	catgatccta
63481	aaagcctgca	aagaggaaaa	aaatagtac	aaaggatcat	ggaatcacaa	agtatctctc
63541	aacaggagaa	gctaaaataa	aagaaagcaa	catttgtaag	tctaagggaa	aatacacctg
63601	actaaaagg	aggcttgata	tgaanaata	tatattattt	tttaattaaa	ggaaaataat
63661	ttctaattcta	gaattctgta	ctcacccaaa	ttacccatca	tgaaggtaaa	accatgggat
63721	ttttaaacaa	ttaaggtctc	aaattctcag	aaagctacta	aaggatgagt	cccaccaaag
63781	aaggtagagg	caagaaaaaa	ggaagatttc	agatccaaga	aataagaggt	gtaattcagg
63841	agaaaagcaa	agggactctc	tgtgatacag	agagagtaca	tgacaaaacc	tatgtgatag
63901	gtctaagggt	agattgaaga	aaaaaaaaag	agcagggaca	gcaaagctga	aaatgataaW
63961	ttaatgtgtc	tatgcatact	aagacattta	tacttagacg	tttgtcatag	aaaactgggtg
64021	atgaattagt	cacaggtgca	cagaaagtca	aaaatggaaa	aaccaaattt	aatcaagag
64081	aaaattaaaga	actgtacata	aagaaaattt	aaccattagt	actctacata	gctgtgacta
64141	ctgaaacagt	cataataata	ccataaacac	taactactaa	tcctactaaa	aattatgatg
64201	tactaaagaa	tggaagt	tgtgtgtgtg	tcggaagtag	aaactatatg	acaaataaag
64261	tctaaacttc	catagtagaa	agccaataaa	taatagcaaa	gactggRaaa	aaaaatcaag
64321	aaacagcaat	ataaacatta	tttagaaata	tggagtcaaa	atacctagag	taatagctaa
64381	gactaaaaag	ttggacttgg	aggaggaaaa	gtgggttcta	ctattttttt	gtggaattta
64441	tggaactact	tttaactcca	tgtacataat	gcctttgagc	tttaaaaatc	aatcttccaa
64501	caaattaaga	agaaaagtat	gtaaaaagat	agggaagaRa	ataaaatagt	gaaccagaat
64561	agactgctga	ttctttgaaa	atgttaatga	cagaaaaata	cctgtaacaa	cacagataat
64621	ttaaaaagg	gaaaaccagc	aataaaaaa	gagtaataac	tatgaggaag	atcatgaagt
64681	tgactataca	caaattgaga	acagaggaaa	tgtttcaaga	aaattataaa	atgtcaaaac
64741	tggcaaaaaga	aatataaaaa	atgcaataga	tcattgaata	aagtggtaat	cacacacatc
64801	ccacacaaaa	cagctccaac	catatgtttt	acaaatgatc	caaatttgaa	gaaacagatc
64861	atttttgctt	aatcaagtta	tcccagaaaa	cagaagagaa	aaactaattt	atttcatgaa
64921	gctcggttgt	gtttcagtta	aaacctacgg	agtcatatct	tattttactt	aaagacaaac
64981	aaatatgaag	taataactag	acctaggaat	ctcaagttcg	caaacagaaa	agcctataag
65041	atagataagt	cttaagtctg	attttatttt	caaatacaagt	aaacaaattt	cattccttat
65101	gtggaaggcc	taggcaagc	ttgctgcatg	gaaaggccct	acctgaaaaa	aaaaccctaa

## FIGURE 4-R

65161	cacctacaaa	gtctctgttg	ttttgaagca	tccatctcaa	ggattagaaa	aaattaataa
65221	tataaaaaa	aaaataaaga	atatatgaaa	aataaaaatta	agaaaaaaat	aatgaaacta
65281	aaaacaagca	aatgagagga	ccgacaaaagc	caaaacttggt	tttctgaaag	acaaaaattg
65341	ataaaccttg	acaaaattaa	tcgatgaaaa	agacaaggca	tagcaggcac	agtggcatgt
65401	gacttacgag	cagtaatccc	agctattcct	tagcttaggg	aggatcactt	aagcccagga
65461	gttctaattcc	agcttgggca	acataccaag	atccctacct	ctaattaaaa	aaaaaaaaaa
65521	aaaagataag	gcataaataa	ccaatgtcag	gaataaaaaa	ggggatataa	ctgtagatcc
65581	tacagacatt	aacaagactg	gaaaaagaca	tgacaaaaca	acattatcca	aataaaactgg
65641	aaaattttaa	taaaaatgaac	aaatccctaa	aaaaagaaaa	gtagaacatt	taaaaaaaat
65701	agaaaaatcta	aattgtctac	tgaaactRtt	aagtaaaaatc	taaatcttta	atgttctata
65761	tcatcatcta	ggtagtagtt	gtaaaaattc	aatgaaatat	acacgcaatt	tgtgtatttt
65821	aatgtattat	gtttcataag	aaaacaaaaag	tgaggccagg	cacagtgtct	atgctgttaa
65881	tcccaatgct	ttgggaagct	gaggcaggag	gattgcttga	gccagaagt	ttgagacaag
65941	cctaggcaac	acagtgagac	cctgcctctg	taaagaaaaa	ttttaaaatg	gccgggtgcR
66001	gtggctcaca	cctgtaatcc	cagcactgtg	ggaggccaat	gcaggagtat	cacttgaggt
66061	caggagttaa	agaccagcct	ggccaacatg	gttaaaccct	atctctacta	aaaatacaaa
66121	tattagccag	gtgtggagat	gggcgcctgt	aaccccgagt	acttggggga	ctgaggcagg
66181	agaatcattt	gtaccccgga	ggcagaggtt	gcagtgagcc	aagatagcac	cactacactc
66241	cagcatgggt	gacagagcaa	gactttgtct	caagacagat	agatagatag	agaaataata
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66601	atactgaaca	actcatttta	caagaccagt	acaaacacag	agtagaacct	ttattttgaa
66661	cattttcttat	ttattatata	tttaaagtta	tgaattccct	ctaacactat	tttagctaaa
66721	tctcacaaagt	tctgataagt	catattatta	tcttcattca	gaattattta	tattcccaac
66781	atgctttctt	ctttggccta	aagtcattta	gaagtcattg	cagtggacct	tggctttaga
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67501	ccctgtaaga	acatttttca	aaaaaagaca	atattattca	taaacataga	tgcaaacatc
67561	ttcaatatta	ggcaaacctc	atcaaaaaaa	gttaataactt	tatgaccaag	tcaagtttat
67621	cccagaaaac	ctaaaagttgc	tttaactttc	aaaaaccatt	gtaattttatc	aagttttcaga
67681	aggcctctca	attctgaaag	aaatggtttt	gtctgcattg	cttggaacca	aaaggctaca
67741	tatgtttaat	atgttgattg	ccttttacag	ttttctagta	agtgttactt	ctagcactat
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67921	actaacagca	attaaaatat	ataatcaaca	gaagattgat	ttcccgtat	acaatgaag
67981	tgcccttcatt	tattagaata	taaccaaccc	tgccaacctg	attagcaact	ttgatcactg
68041	cccattttcc	taaaaacctc	atttgagtat	tatttttagga	gaagtgaaaa	atgtttatta
68101	taatttgata	attctaattc	ccataatccc	aattccaaca	gaaaatatca	aataaaactt
68161	ttcacaaaat	acctccaaat	tttaYagaaa	gtcaatggga	atatagaatt	ccctttcaag
68221	aataagactt	acaaacaact	aaaatatata	tgagtatatt	gtgtatacct	tcattcatta
68281	aaatatataa	cctataaccag	ctcttcttta	tcacttacct	ctttgcttgg	tgactgaata
68341	caagtgtctt	ttattttgcg	tgttgaatta	ggcactgatt	ttgtagaatt	tgtactaaaa
68401	tcattggcaa	gacctaaaac	aaaagtatga	aattttcaaa	aacaagatat	agtgtaatat
68461	ctattagtca	caattaaaag	tagctgtata	tgacatgtga	agaaccatct	gttgactcac
68521	tgaccacaat	tagcttaaat	caagttagaga	cctcaattta	atattcaaat	gttctcgaga
68581	agcatcagga	aatgagaaaa	gcaaacaaaa	cacctgaagt	atcaatatat	gccagctctt
68641	ctttcagagc	ttgtatagaa	aacattcttt	tctatcatct	gcccctatct	ctttggctgg
68701	cttattctct	tattccaata	cctgctgatg	ctaatacagca	cttggaanaag	tttttgctgt
68761	aattttatgac	ttccttaaac	agatatgtaa	atcaccaaaag	attatctcaa	attctccagc
68821	gattccaaga	attctacaca	tctattttca	ttatatattt	ttctctggcta	gatgcagttg
68881	cttatgcctg	taatcccaac	actttggggag	gctgaagagg	gcagatcact	ggagggcagg
68941	agttcgagac	cagactagcc	aacatggtga	aacctggtct	ctactaaaaa	atacaaaaaat



## FIGURE 4-S

69001	tagccaggcg	tgggtggcaca	cacctgtaat	cccagctact	tggaaggctg	aggcacaaga
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69121	cttgggtgac	accgcaggac	tatgtctcaa	taaataaata	aataataaaa	tactttttct
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69241	atgacaaaatt	attgtcaaat	tattatTTTT	tgtcagtatt	atcctaagta	taccagaagg
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69361	ccctagaaca	tatttgctgc	atttgatat	aattaccatg	acaaattcat	attttcatcc
69421	atctaaccct	taaattccat	cttgaaatga	agccttactt	ttttcttcaa	aacagtcttg
69481	taagattttcc	agaacattct	ggccttgctc	tgtgttaatg	tcacgtgccc	taataaagga
69541	aaaatacagc	ctgtcatttt	cagaagatat	ttctttatat	taccatctct	ttgaaaattc
69601	cacatctcat	tataaaatat	aaatttactt	aatatgtaaa	atRtctttac	tatttgaaga
69661	caaaacaagt	acttgagggt	ctatacattc	cctcaagtga	actctttcct	tcctaataag
69721	aattagtata	tcataatcta	ccttaacaat	taatatttct	tagttgaaca	gccatgtcta
69781	aagctgtttt	agattactgc	tgtatctcaa	aaacacaaat	ttttttgaat	gaatccaatc
69841	agtcttgaaa	tgcttcttta	acagacttta	cagtcacatc	tccaagtaac	atattcctcc
69901	ctataaaattc	tcaaatgcat	ttctaattca	gtatcattga	ttaatcttaa	cagtttatga
69961	atcagtataa	attttaatta	aaaattatat	tgagcttgta	gattcacagc	cagctataca
70021	acataatata	gacccttgt	tcactttacc	tagttctcct	cagtgtcaat	attttgcaaa
70081	actatagcat	attatcacia	tcaggatact	gatattgata	caatctacca	atgctattgt
70141	gatttctcca	gttctacatg	tactcatttc	tgaacatact	catgtttgtg	tgtatatata
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70321	cttctcgct	cctctcatte	ctaaccctcg	gcaaccacta	atctgtcctc	catttctaaa
70381	actctgtcat	gtggaacaa	ttatatgtaa	atagaatcat	acaacatgta	tcctcttgcc
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71281	taccacctac	agggtcacat	attgcacagc	tataaatata	ctcttgctat	tacctgtttc
71341	aaggatgaga	tcacaaaaga	tcagatttgc	caagggtgata	atgcagagtc	actattagaa
71401	cgagggtcac	attaggcaac	agctttttca	aaatttatca	aatcgtctct	ttcttccct
71461	ttgtcattat	tacccttagca	taaaagcacc	tccaccatgt	gtagattact	acaacacct
71521	ccttaagcta	ctttgtaaac	atcaaacatc	tttgcttttt	taaatgtgtg	tgtgtgttta
71581	tatcagatag	cccttattcc	acagaagatt	taggagagct	tattcaagcc	tataatagat
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71881	atatcaacaa	cacacaaatc	cctaatttct	cacatggctg	tctatactgc	aagttaatgc
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72061	taagcttctt	gtaaacaaaa	gaacataact	ctgtgcccc	ttggacctac	taaaatcaca
72121	gctcaataaa	catgacgtta	ttcataataa	catcttcaact	tttaaaaaa	tgcttttcat
72181	cctattacta	gtaaatattt	aactagaaaa	tttacttttt	acagggtttt	caactaaaag
72241	aagaacccaaa	acaacccaaa	caagcactca	acaaatgcac	gacagcatgt	actatttttc
72301	tttttgcccc	actgaataag	ctacatcttt	ctaattttac	catttgattc	attctacaaa
72361	atgcttttcc	catggcagtc	acttagtcag	aactgagact	cctcttccct	ggttccacta
72421	ttttatcagg	tgaatttctt	ttttcacagc	cacaaagtca	ttgcaactgt	tgcatttaaca
72481	ttcccggttag	tataagatga	ctacccttaa	tcagtgggca	cagaaatcat	tatattagtc
72541	agaggtgata	gtttttcctt	tcttcattta	aaaatctatt	aacgatgaga	ataaaaaata
72601	tcttaaaagc	ttaagtacgt	aaatcacctg	gaaggtcgac	aaaatcttct	ctctgtagcca
72661	ttttttgagat	gatcctgaaa	gaaaagtaaa	tcatacaattt	ggtttcttta	agatagagtc
72721	gagtaaaatt	tattttcaaa	gtaacttcat	ccagtatggg	catgctatac	accaaaccatc
72781	tcctaagggc	tcaaaacaat	tttgaggtta	tgttatgaca	taacataggt	tatgacaggc

## FIGURE 4-T

72841	atttataaaac	tgaactgcag	gcattctggta	agcttttattc	cgctttctctc	cccacagtga
72901	gaatggccttt	attgcttttct	tctgattata	tataatgtaa	acaatatatg	tgctcatagt
72961	aaaaagtata	gattatatta	ttcttttcata	caactcttta	tgtttatatg	tataacgtca
73021	cataatggga	gatcatcgaa	gctgaagatt	ttcttagaag	gggagataaa	ttagaaaaga
73081	aatgatacgg	attttttatat	agtaaccata	accaaagtat	gaaatataga	atagtgaaca
73141	ccaaagaagt	ccagaaatat	gtaaacaaaa	tgagttgtcg	ccccattag	tcattcacag
73201	cttgtagcctt	ttaactgata	gctgtctttc	agaagagttt	gtcaataaca	tatgctccat
73261	aaatcagcct	caagaactgc	ataaaaggcc	accattttga	cagaagaact	gaaaacgtca
73321	aattattttcg	agacgtactt	gttacataat	ctgtttctcc	caactacca	gtgtgacgca
73381	aagacacact	tttaaggcgt	ttcaatactt	ctaccatggg	gagaaaagtt	atttggaggc
73441	ctaggaactg	gagctagact	aaaaagcaga	agccaagatc	gcgccactgc	actccagcct
73501	gggggacaga	gcaagacccc	gtctcaaaaa	caaaaacaaa	aaaaaaccca	gcagaaatca
73561	caagcacctc	tcaagagtaa	gacgtaggca	cagacgaaat	gacgacatga	aaacttaaga
73621	aataataaaa	gtacagtaaa	ttaactctgg	ttatcgacac	acgatcacac	ttgatttcaa
73681	aaattcctgc	ggctttccca	ctgaaatccc	tcagagatca	cagcctcagc	ctagcatttc
73741	cttctcccca	gcctcggggc	cccggtgccc	agccagccgc	tcaaccactc	gcctggagcg
73801	gggggcctgc	acttaccaga	cggagcgag	ccatgttccg	gccccgctga	gccagcgcaa
73861	ctgtctgagg	tggaagccca	cacggaccac	agctccagga	agccgagcaa	gaaacgaatc
73921	gccggaatac	caggccgcgg	ccaagcaata	accttaagtc	tcaggcgact	gccgcgagag
73981	ctgcgatccg	gaaggcgcg	gctaacaaca	ctcccccgcc	attggctccg	ccctcaacaa
74041	acaagaacgc	ttggcctgtg	cctgggtttg	aaccgcgaga	cacatgcgca	aaacggggcg
74101	cgccgtccaa	taggaagcaa	gccgttagtg	ggctcgcccc	ttcatgctcc	agggcaacgg
74161	ccctccagcc	tgcaagccca	cccgcccgcc	ctacctctag	ccgctctgct	cttcccacct
74221	cccttccctc	gcgcccgcgc	cgggacaggc	gcgagactgg	gcttttatta	ggaaggcacg
74281	atcctgggaa	ccgctccttg	tgcccaatgt	aaaacttctc	aacagttcta	ttaaggaata
74341	ataagtaata	cttggaagga	tgaaggttag	aaattgcaga	cgactttttt	tttaatagaa
74401	tctttttttg	aagagatttt	tctaattcag	attcgtcagc	cacgcccagc	ccatctaacc
74461	atcatctctg	aaaataattg	aataattatg	tataataatg	gtgatgatgg	cttgatttct
74521	ttttcaagta	tgtgggcgat	atttttatga	tgcatgcca	acaaatgacc	cacgtaaata
74581	tctatcattt	aagtatgatg	cactgaaaag	aattctatac	agaatcctga	aacctgccag
74641	ccattgacta	gctatgttat	ggagggcaaa	attgcggcac	cattctgggt	gtttccatag
74701	tctatagaatg	gaagtctaaa	ttagacgtct	tgaagacttc	tcacctgacc	agtgtatgat
74761	tctatgaagc	tgtatcttat	tttattattt	aattttaa	tacaagaaaa	ttctaatacag
74821	aaaatagttt	actaattgaa	taaatacatt	aatcaggagt	tgagctaata	gattttttaa
74881	acatgtagtg	ctttaacaaa	tgctgtcaMc	tatgaaggcc	aattttttta	ttttatttat
74941	ttttttgata	gaaaaaaaag	aactatgatc	tctgactgaa	attaggcctg	gattgcactc
75001	cattccatta	attctgccat	tatgggcaac	taagtatatc	gttctttaat	tctctgtctc
75061	gcaaaatgag	aatactatta	aagtgggtga	gatgttgtaa	ttgaataatt	cctgttaaga
75121	tctaagcaca	atgtttggaa	catagtaaga	attcaataat	aaagctattg	gaatcattat
75181	ggagagtttt	ttactatggt	tggcagtttt	gccaatcagt	ccaacttata	atttgggtgct
75241	gtcacatttg	gaatagataa	tgataaacac	taacatttat	tgactgcata	ctctatgcc
75301	agttctgaaa	tgctttgcat	gatttgaaga	gaacaattaa	tattcctgtt	ttataaacaa
75361	gggcaactgaa	acacagagag	ctaagtgtct	taccaagat	cacatcacca	ctaaatggta
75421	ggatgggtta	ttatcccaag	aattctcact	ccacaactga	gctcttaatc	actacactct
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75541	attatatacct	cctgcttcca	ctggaaaacta	agtcccacac	ttatttttag	aaatttggaa
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75661	taaagaaaat	agagcagtac	tcttataaaa	acagttgtgg	agactccaca	gtttccagag
75721	aaacgtttta	cttccatatg	tacttgttgt	agtacttaat	agcccacat	ggttttagta
75781	tcctaaaata	ggattgctaa	ttaatggggg	gagtaatat	tatttataaa	cccaagtttg
75841	tcgttataaa	tctcccccca	aaatacatca	aagattactt	cttatgaact	gctaggacaa
75901	tcttgaagtt	ttctttcaca	actacttacc	tagttaaggg	gtgtgtgtgc	atgtgtgtat
75961	ttacatatca	gtatatggaa	gtattaacat	atacataatt	agatgtgtat	atgggaacat
76021	aaagtatcca	gaaatttggc	ttgaaagaga	agtaaaaaaa	acttttcggt	acttatgggt
76081	ttagggtacat	aattttaa	ttgtaaatct	tgaaactatt	tcaaagaata	ttttgtttta
76141	gatctttgat	ttccatcaaa	taactatggt	atgggtattt	actaccaaag	tgtcttccat
76201	ttaagtgttag	cacaaaaata	tacacaactg	aactaacact	taaaaattag	tctgtattca
76261	ttcccacccc	acagcttaac	atgtgcatct	gtcctggtga	gtggataaac	aaatgtacct
76321	caatgcagtg	caatactctt	cagcaataaa	agcaaacact	tgatatacaa	tatggatgaa
76381	tcttgaaagc	actgtactaa	gtgaaagaag	ctggacatca	atgactgtat	gaaaagaaat
76441	caaatcgctg	gttaccaggg	gttgaggagg	gtgggggaaa	aaagactgta	aagggaataag
76501	agggaaacttt	ttgcggtgct	gaaaatattc	tatgtcttga	ttacgatggt	agttacatgg
76561	ctatatctat	ttgtcaaaat	tcctagttag	aactgtgccc	ctgaaaaagg	cgaccttttt
76621	ttttttgaga	aaggtcctgc	ttggttgccc	aggctggagt	gcagtggcac	aatcaaggcc

## FIGURE 4-U

76681	cactgcagcc	tctacctgct	gggctaataat	gattctcctg	cctcagcctc	gtgaatatct
76741	gggaccacag	gcatgcacca	ccacacccctg	ctaattttttt	tttttttaaat	ttttttaga
76801	gatgggatct	tcctatgttg	cccaagctgg	tcctgaactc	ttgggctcaa	gtgatcctct
76861	ggcttctgcc	tcccgaattg	ctgggttaca	ggcatgagcc	accacacctg	gccaaaatag
76921	tgactttttac	agtaaattat	acctcagtaa	atctgtgaga	gcgatgataa	aagagagaaa
76981	gagaaaatga	gagagactca	aaggcactgt	atgaaaacca	aatgcaatgt	gtaaaactttg
77041	attagagtct	agttcaaaac	aaagtaactg	taaagagcat	taagcaataa	gtgaaaatga
77101	aaaaattaat	tttcagatga	tattagagaa	ttgtaaaagt	ttcttaggta	ttataatgtg
77161	attatgtcta	tgtaatttgt	ccttactcct	aggatatgca	tatcaaagta	tttagaggta
77221	aaatgtcttg	tgataattgt	aagtactttg	aaattgttaa	tcataaagag	attgagatag
77281	ttaaatacat	acggcaaaat	attaacaatt	attgaatcta	gttcattggg	gtgtttatta
77341	acaatactct	ttcagtttct	ctgtatgttt	gaaatatttc	atagaaaaat	gatggggaaa
77401	cttgaaactta	ataaaattgc	ttaagttcta	aaaacttttg	caaaaacatt	tattattttat
77461	tctgcaaaag	tcaaaagtga	aaatatttagc	aaatgactat	catataattd	tgtcagaaaa
77521	attacacatg	aaaaatgaat	ttcttctaaa	aagtatagca	tagtcacaat	tataacaata
77581	tttgctaaga	taaaaatagac	ttagttttat	gatttttggt	tttttttata	atgtaatttt
77641	ttttctttta	ctccttactg	ccaaatgttg	gtccctctgt	taaggagatt	catttaagta
77701	tccttttctg	ataaaaaatt	atccctccaat	agaaaatgcta	tctatgctat	gtagaccata
77761	atggaaaagt	taataaaatg	tgcttgcaat	gtacaggtag	gtggcagcaa	tgtttacaaa
77821	atagttttac	cacgctatga	gttggttaagg	tctgcaatgt	gtcattaatt	gtaaagtgtc
77881	atataaatta	actgatcttt	acattttccta	aattaccttt	gtgtcaacca	ttgcttatta
77941	gttatagtta	tattctatta	tgtacacatt	gtttctctta	agatcacaa	aaatacaact
78001	attctgtaga	tctccattct	gcatacctata	agataggata	gtttacttct	agtcaactta
78061	ttttctactc	acacaaagga	aattttgtca	ttgaaaacac	attaagattt	tcaaaagctt
78121	aataaaatgg	ttctgcattg	taattttact	cttgagagga	cttaaatatt	cctgagtgaa
78181	aattggcaag	taatgtagga	tactgttttt	aaatttcagg	cagtcattgc	tttgcaaaagt
78241	agtagcagg	ccttaaaaag	accctgttaag	ctgaaacat	gcaaaccgat	ctttgttgg
78301	gaaaaaattct	gattgtttca	tgacctttaa	aaaaaaatta	tcagctggag	gcggtggcta
78361	acgcctgtaa	tcctagcact	ttgggagact	gaggctggcg	gatcacctga	ggtcaggagt
78421	tcaagatcag	cctggccaac	gtggcaaaac	cccgtctcta	ctaaaaat	aaaaattagc
78481	tgggcgagc	ggctcacgcc	tgtaatccca	gcactttggg	aggccgaggc	aggccgatca
78541	cgaggtcagg	agatcgagac	cgctcagct	aacatggtga	aaccctgtct	ctactaaaaa
78601	atacaaaaca	attagccgag	catggtggcg	ggtgcctgta	gtccagccta	ctcggggggc
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78721	actgcactcc	agcctgggca	acagagcgag	actccgtctc	aaaaacaata	aaaataaaga
78781	tacaaaaaatt	agccaggagt	ggtggtgtac	gcctgtaatc	ccagctactc	gggaggctga
78841	ggcaggagaa	ttgcttgaac	ctgggagaga	ggctgcagt	agccgagatc	acgccactgt
78901	cctgcagcct	gggagacaga	gcgagactca	gcctcaaaaa	aaaaaataaa	aaaaaattat
78961	caaaatatta	acatgtctct	tgctgtcagt	tataaattta	tggggaaatg	aaaaaatagt
79021	aaaactaata	cttatatagc	acattgtaac	tcaaagcatt	agaaacattg	agcattaaag
79081	tgcttttagtt	ctcagttttg	ttttctattt	ttttattttt	ggctcctgac	aggaaacatg
79141	ctttagtctt	ttgtaaaaaa	aaaaaaaag	aaagctatca	agaatagttt	gaacatgccc
79201	tgccctctca	gctgtaagtt	atgataacta	gtgagcatct	tttgggtgaat	gtttatacta
79261	cttgctaagc	ctgggtcatt	ttaaattaa	tatatgtggc	ataggatata	taacatattt
79321	gtaaaattcaa	gtgtctatgg	aaactcataa	acaataaaat	acaaaaatgg	taacttgcag
79381	acagtacctta	aaagtaagag	ttgttttgtt	ttgttttgtt	ttgttttgtt	ttgttttgtt
79441	tttttccgga	ggctccatca	ttcacctaaa	agtaagagac	aacaggaaga	taactagaaa
79501	gcaaagacac	agggcagaag	tgatgtgctg	ttgacctaga	gaaaatctga	ctaataattga
79561	aaagtgcggc	caggcacggg	ggctcatgtc	tataatccca	gcatttttgag	aggccaaggc
79621	agcaggatca	cttgaggcca	ggagttcaca	accagcctgg	gcaacatagt	gagacccagt
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79741	agcttctcag	gaggctgagg	tgggaggatt	gcttgcccca	tggccctctg	cctagggaat
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79861	aatggaacta	gattatgggg	caacttcaat	gtcaggataa	cttttctact	atcctatgga
79921	caatggggaa	ctgtggtata	atcagggttc	aattacataa	aagaaaattt	gtagccaggc
79981	gcggtggctc	acgcctgtaa	tccagcact	ttgggaggct	gaggcgggcg	gatcacctga
80041	ggtccggagt	ttgagaccg	cctgaccaac	gtggcgaaac	gccatctcta	ctaaaaat
80101	aaaaacaatt	agccgggtgt	gggtggcat	gcctgtaatc	ccagctactc	gggaggctga
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80281	gtgatggcta	gttttgga	aaagggatct	gctacctgca	tttaacagct	cataaaaattt
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80401	gaagaactaa	gccattaaga	ggcagctgat	gtttctacag	ttataaaaca	aatagaaaaa
80461	ttgggaagct	gacattaatg	cttatgtctc	caagatcata	ctgacatcat	gcaatcagga

## FIGURE 4-V

80521	agccaccaca	attacaaagc	tgccacgtta	tggaaatcac	tataagaatt	aaagaaagag
80581	gaaagaaaca	caaaaagtgg	cttgacagcc	aaagacaggt	ttattttaga	gaaaacccaa
80641	gggggcttct	ggccaagtta	ggtcagaggc	acactctctt	acagactaag	agtttttaag
80701	gattcagggg	gggagagttt	atcagaggct	tgtactgctt	ctgtgtctct	ttgtgtgct
80761	tatctgggag	gaagacttgt	gtgtctgttc	ccatacatct	ttctgcgctg	caggcatact
80821	cccccgagtc	tgcttttagc	ttccctatct	tagtgcacct	gaagggaaa	gaacgtgctt
80881	attaaggccc	actgttttac	tggggcccat	tgtatgaggg	tgaagtttgg	cagttaccca
80941	agagactttc	cccccacctc	cctctgtgcc	caagctgtct	tatctgtttt	actctctgct
81001	ctttctggct	gcttgtagtt	agaagagaag	tgatttcctt	gaaatgcatg	aggctaaaaa
81061	gggagctgga	acttaaaagt	gcagtatttg	agatgatgg	gctcctgctc	tgtcagtcac
81121	taccaataag	aattctccaa	tgagtctggg	tatgggtggc	catgtttaat	tccagcactg
81181	tgggaggcta	ggataggcaa	atttcttgag	gccgggagtt	ggagaccagc	ctggccaata
81241	tggtgaaacc	ccatctctac	taaaaataca	aaaattagca	aggccatcat	tgttacagaa
81301	gtgatattag	tagctctgtc	agaacagttt	aatttgctaa	cccttataac	tgtcagtaca
81361	aagagttgca	tctgggatga	taagagcttt	tcctattacg	tattttcaaa	ctatttttgt
81421	agtggaaaat	gtcacttttg	ttactgagga	gtagtttttg	gatgccaggt	agatacggga
81481	aactgggttt	catactaggt	aactcacaga	ataatggtag	cttattctat	acttatacag
81541	tagtgggtgg	acactactgt	aatcccagct	actcaggtgg	ctgaggcatg	agactcgctt
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81661	gacacagcta	gactctgtct	caaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aagaatcctc
81721	tcagagcaga	aagcctcctt	actgcttcgg	gctccagagc	cacaccttac	ctaaaatgat
81781	atgatgatat	gcacaagcaa	actgatgtct	ctgacttgac	tatcaacacc	catgaagcta
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81961	gttaattcca	gctactcaga	aggctgaggg	aggacgattg	cttaagccca	ggagtttgag
82021	accagcctgg	gcaacatagc	cagacctcct	ctcaatgaag	tttaaaaaac	aaacaaacaa
82081	acaaacaaaa	acaaaggcag	cataagaatg	aaccccgcc	ccctctgccc	ttggccaatca
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82201	tagcctctgc	aataaacaaa	agcacactag	aagggttttg	aatgacggta	agcaccaatc
82261	caccttatct	cctaaggag	gcatgaagg	tgagaaataa	aagagaaaa	atagacttaa
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82381	aactactctcc	ccactctgaa	tttctagttt	ctattaaagc	taccattatt	ctgtgagtta
82441	cctagtgtga	aaaccagtgt	cctgtatcta	cctggcatcc	aaaaactatt	tctcagtaac
82501	aaaagtgata	ttttccactg	taaaaatagt	ttgaaaatac	ataactagga	aaagttttta
82561	tcattcccaga	tgcaactcct	tgtactgaaa	attataaggg	ttagcaaat	aaactgttct
82621	gacagagcta	ctaatatcac	ttctgtaaca	atgattgccc	accttttttt	tctgtttcaa
82681	aagacttaag	ggaacatttt	tctgtgataa	aatggctcac	tgtatcagta	attctcaggc
82741	aaaggagtag	gaagctccct	ccatattgta	tgtctgataa	tctctggagt	tgtggtatta
82801	caatgtgcat	tttctccact	gaaaatgctg	catgtctggg	tgtggtggct	aatgcctgta
82861	aatcccagcg	ctttgggagg	ccaaggcgga	cggatcattt	aaggtaagga	gttcaagacc
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82981	ggtggtgagc	acctgtagtc	ccagctactc	aggaggctga	ggcgggagaa	tggcagtaRc
83041	ctgggaggca	gaggtggaaa	tgagctgaga	tcattgccact	gcactccagt	ctgggcgaca
83101	tagcaagact	cagtctcaga	aaaagaaaag	aaaagaaaag	aaaaagaaaa	tgtggttaa
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83221	cattgataag	ctataagtat	ttcacacaat	ggttaaaatt	aaagtgtgat	tcttcaggta
83281	tgagttgcaa	aaataaatgt	attcaattaa	aatatcttag	aaatatacta	ccgcaaatca
83341	taatgcata	ggcaataaat	catcagtaag	tattaagcaa	aacaaaggtc	agaaatgtgg
83401	aagtactgga	gcagggttgg	ttgatttgat	tgattcagta	ctaataaatg	gatagaaaag
83461	tatttttagag	atcctcaatt	attgtaaaaa	atgtggattt	ttactcagat	gaccttataa
83521	catagaggag	tcaatacagc	actgagattt	tggtttatat	gagttaaatc	ttatacttca
83581	cccaaagttg	ttaagttata	tttgccataa	aacctgattt	gtaacaatct	tctgtgacac
83641	agatgctact	gatggctgta	atgttgggct	ccaatagttt	aatagtaaca	tgattgttct
83701	acaaggcaac	acaagaatca	tatgtcaacc	aatggtcaca	tatatcagaa	aaaaggaaac
83761	tcctgtcaca	atggaagcta	ataattctcc	aaactagaat	catatttttt	agctagaagc
83821	tattcagtaa	atataatgata	ttgcaattta	cttataacca	acccctactt	caacacaatc
83881	tttccttttg	aaaaactggt	tctgttgat	actcaatgta	tacaaataac	tacaacagga
83941	caaatactat	aagaaagaaa	tcgtgcaaag	tgctttggga	aagcagaaat	gagagtaata
84001	actttttttt	ttgtgggggt	gaagaaagct	tcaggaaatt	aggagatggt	cagaattaag
84061	gatagattca	gcctgggtct	tgaaggacga	gtaggacatt	accatataaa	caaagagaag
84121	gaggggcatc	taagcagagt	acagtgactg	aaaaggatg	aggagacagg	gaagatcata
84181	gggtattcag	gcaactgaga	ctaaatgaaa	ttaccagagc	aaagggtatt	ttgaggaggt
84241	attattttaa	aggggccctg	ctataaagga	ccaacgtgcc	atgcttgagc	ccattgttgg
84301	tattcaataa	gtatttagtg	ttcaataaaa	aatattttaa	aaggaatctc	aaaagcaatg

## FIGURE 4-W

84361	agaatccttt	aaagtctttt	cagtagggga	atatcttgat	taggttgaat	attaaatgaa
84421	tcaaagaaga	aaaagagtgg	aaactaggag	actacttaaa	agccttttgc	agctcttcaa
84481	acaataagtc	atgtagtcca	tcgcctcctt	gtataggtga	ggaagctatg	ataccagaga
84541	agtcaagtgg	tttgttcaag	gtctcaagag	ctgggttagta	gcaaaattag	tttatgccct
84601	atgtccaaac	atattttctt	ctatatattcc	ttacctacaa	atttattctt	cactgcctaa
84661	gacttgaggt	atctgtaaga	ggatttccat	tgtaatgggt	cagtgggtgca	atgacactag
84721	tcattgcaga	caggactaac	ttgttaatat	tgtttaagca	agatttttgc	attttgtagt
84781	ctttttcagg	gagatataat	ttgattcttg	gtatattaag	aatgaatttg	acgaacaaat
84841	cagcagacca	aagtaactta	ctgtgtctga	ttagctgttt	ttaaattgtt	gcttatattt
84901	taaaggcaaa	aaaaaaacta	agtgcctatt	taacaacaac	aaaaaatccc	ctttacattt
84961	tttttagaggt	attattttct	ctcacctatg	aaactttctg	accataaagt	cagtgcgtaa
85021	tcactgatga	ttcccagcat	tctttcttta	tccttgcttc	ttttcatttt	tcaattctta
85081	atccctcctt	tcacttcccc	cctgtattac	aacaactaac	agctgccaag	aaagtggatt
85141	aggatcatata	ttcaatcagg	aggttttcct	gttattcaag	tcactttctt	agtataccga
85201	aactaaaaaa	tagttatggg	ttttgcctca	aaaaattcag	ttggacttat	attttattat
85261	ttgaaggttg	ggtagcaaga	agcaggtcta	aacttacaaa	agcaaagcag	tcattttgga
85321	tcttcaactc	cctatttctg	tcttgagctg	ttttcatttt	gataatacat	ctgaacactc
85381	ttctctaact	tactgataat	cagtcctgat	tgttctacct	cactttgtag	acaatttgtc
85441	atcccatatc	tacagctgca	ggatcagtg	gacccatact	ggtggagaaa	accatgcagt
85501	ctctccatta	ggaaaggaga	atcagactga	agactcctga	cttgctttga	tttctaataa
85561	taggctgggtc	tcactgggcc	caggctgttc	taaactctaga	gtagtctctga	aatactgagt
85621	gtgaaatagg	caatggtaga	aattcttagg	acccctgtaa	gacaaatcaa	atattccttct
85681	agtattcttt	tctcccatca	tttctctcac	tgYgctacgc	caaatccaat	ctcttaagga
85741	ccattttccta	catgcaacca	ttgagtgcac	tttggcccca	gtatagcttt	ataaatctca
85801	ctagataaact	gtgggaagtc	catccatgaa	tcatagtatc	aatgggtctgc	agctcagaaa
85861	gcacaaaaga	acaaaataaa	agtttgaaaa	cttacagctt	tctctgccag	atattttttt
85921	gtccaaatatt	ttagactcct	ttgtgttctg	gtaacagaat	gccacagact	gtaattttat
85981	aatgaacaga	aatgtatttc	gctcatgggt	ctggagtctg	gaagtcaaa	aacatggcca
86041	gcatctgatg	aggaccttca	tgcagcatca	ttccatggca	gaagatagaa	gagcaagaga
86101	ggatgatagc	atgtgagaaa	gtgccaaact	tgattttata	aaaaaccac	ttccaggcca
86161	ggtgcaatgg	ctcacacatg	taatcccagc	actttgggag	gccacagcag	gagaatcgct
86221	gtgcccacag	agtttgagac	caacctgggc	aacataggga	gatactgtct	atacaaaaaa
86281	tgaaaaagtt	agctaggagt	ggtggcgctg	gccttgtagt	cccagctact	taggaggctg
86341	atgtgtgagg	attgtttgag	cctgagaggt	caaggctgca	gtgagctgtg	attgcaccag
86401	tgtattccag	cctgggcaac	agagcaagac	cctgcctctg	aaaaaagaga	aagaaaccca
86461	ctccccacag	attaattaat	tcatttcattc	atgagggcag	aggcctcatg	acttaatcac
86521	cttctaaaag	tcccatttct	aaacactgtt	gcattgggga	ttaagtttct	aacacaaaag
86581	ttttggagga	cacattcaaa	acatagcact	aaatattcat	tgggaactca	tgtacttgga
86641	atatctactg	gcaaaaaaaa	aaaaaaaaga	aagaaagaaa	aaagaaaaaa	attccatatt
86701	ccgtgttccc	ataattgtgg	tttatattta	gtgaagcatc	aatgagcat	gagatacaac
86761	tatttttttt	atttacacaa	aacttgacc	taaaatattt	aaccaacaga	agtactacta
86821	ataaaattat	tctatgaagt	aatttttaat	gaagctgagt	ttattcaagt	caYgtcttct
86881	gcaaaataaaa	atggacacca	ataaacaaaa	acaaagatag	aaagaataac	tgtgttcttg
86941	atatctcccc	taaagttcac	aatctctaca	cctgtttctt	tcattctctg	gtgatgttaa
87001	tcttctgttt	attttgcgct	ttaaactctaa	gcacatgtgg	attaccaga	gattgccctc
87061	tgaaagtcag	tctacacctg	ttctttctta	cctcacaaaa	agtaatggaa	aaaaaagtgt
87121	gtgtgtgtgt	gtgtgcgtct	gtgtgtgtgt	gtgtcctgtt	ggtggtagtg	ttggtggtta
87181	aaaagcaatt	tgggacttcc	tctttgaaca	gttgcttttt	cctctcacag	aaggaagatt
87241	tcatttttgt	tgagacgaga	aaccaaacca	cacaccaaag	agaggggtat	gatggctaag
87301	aagcccccaa	aaccagcccc	tcgcaggatc	ttccaggaaa	ggttaaagat	tactgtctta
87361	cctttgtact	ttgaagggtt	tttattaatc	aagcgggtcag	gataccgggt	gagtctatag
87421	atgataatgt	taaacctaa	acttctgttt	taatttaata	tttatttcat	ggtgatgtga
87481	tgtgttaaga	cctccttggt	tctgttgaaa	ttaaattcatc	ttctcttctt	tgagctcaga
87541	aaaatgattc	caatttttca	taatttaaat	acaatgtctg	gcttaaacct	gtatgtatac
87601	acatatataa	tatgtataat	aacagaggtt	gtaatatata	ggcactaata	taaaaaagtc
87661	aataagctaa	atttccaaag	aattttattta	aatatcacaa	aagatttttg	cttgggagat
87721	aaaatgtttc	ttgtattttc	tccacaattt	attgctatgc	ttcaatgatg	acatgtacca
87781	ttaagataaa	atgatatacat	gattaaaaatt	aaacctgctc	ctgttctgag	tcatttgaag
87841	ttataaatga	tcaaattatt	aaaaatggct	tttgtaaaaa	ttggttaaaat	gacaaagttc
87901	atactgttta	acattatata	tagttatgtg	ttctaaaaata	ctattcaaga	tagtgacttt
87961	taatttttgg	ggtactactg	tgggtattaa	gtacactaag	ctacataaat	acctttgtct
88021	taagaaaaatc	catgaagcat	tctgtatttt	taaatgtaat	aattaaaaact	tatagttagt
88081	taaaatcatt	acttttataa	cagtaattat	ggatgacttg	aaattaatta	gagaaataag
88141	cccaaaattg	cctgttatta	aataaaaaaa	tcattaagtt	aggtcaaaat	ttatgaaatt

## FIGURE 4-X

88201	gtatactgac	taaaactaga	aaaatttttaa	ggttttcaga	aattccatca	gaaatgttta
88261	atgatgctaa	aatatatddd	ctgaggattt	atgaatactt	gtggaaaaat	tatatatatg
88321	aaaaatctat	aatagcatat	tcacatttct	tacatatata	atcagatcat	ttactatttg
88381	agagtaaaga	catggtaatt	tgtattctgt	tatggatgtt	aaacatgcat	aaataattac
88441	ctttcagtta	tattagaatt	ttttagattg	atcctatatg	cttttaattgt	aaattcaatc
88501	ttgtcaccac	aggtaagcca	catagtcaca	ctttgccagg	aaagggaagt	tgagaaaaaa
88561	aaattctaatt	tagtaattta	aatcaggttg	ttcattgaat	gttttccaag	gtatttataa
88621	taactgttta	tgatagcagt	ttttttttaa	tgcttaaaga	agacatgtca	ttggtagtgt
88681	tagcagaaag	aataagaatt	ttagagtgtc	ctttatctga	tggttttgcc	acttatagct
88741	tgtgatcttg	tgcaagttac	tcaatctcct	tgagactgtt	tcaactataa	gatagagagt
88801	atactacttg	ctacttgcc	cctaaggtag	attctaggat	tcagtaggtg	ttcaatcaat
88861	ttattcactc	aacatttatt	gtgtgcctcc	tatgcaccaa	gcatactca	ttcttgaga
88921	atatggaaaa	aaacacaaag	attttatttt	caagaggcct	aatatagtag	gaatgatgtc
88981	ttccttacca	aatttctact	ctttaccttc	tcttagaaaag	cattctttga	agcagaatga
89041	atacctatag	gcataaatat	ttccaatgaa	attaacttgt	gtttctattd	gaatttatag
89101	taaagtatct	ttgtgtgtgt	gggtgtgtgt	ctgtgtgtgt	gtgtgtgtgt	gtgacagtgt
89161	ctcctctgtt	gccaagctg	gagtgcaatg	gtgcaatcac	tagtcatgca	gccttgacat
89221	ccccggctcc	ggtgattctc	ctgcctcagc	ctcctgagta	gctgggacta	caagcgcata
89281	ccacacccgg	ctaacgtttg	tattgtttat	agagacaggg	tttcatcacg	ttgttcaggt
89341	tggtctcaaa	ctcctgggct	caagcaacct	gcccaccttg	gcctcccaat	gtgctagaat
89401	tacaggcatg	ggcctctgag	ttagaccact	aagtaccttt	tacttgtagt	tcagggagaa
89461	gagagcaaga	ggatgacaat	aatcactact	tatgtggtgg	tttcagggat	taagggagata
89521	gcatatgtaa	aacacctggc	tcacactaaa	ggttagattc	attctcttac	cctttcatca
89581	cttatcatat	tcttattcag	gtactaaaat	tagtttgagg	tctgcaagta	atatgactcc
89641	aaggagagtg	agcatggtga	taattagagt	acttgaaaat	agaagctatg	agaaaaatct
89701	aagcaaaaata	agtggaattt	ccaagcaatt	ggcagcaaaag	tgccagggaa	tctttgaaca
89761	gaagggtgag	caaaggtata	tagccaagta	atctttggag	ctgattggct	gaagggaagt
89821	gagaggctct	gcagaatgta	aagttgggtc	tctgccaaaag	tcattcagaa	cattttaact
89881	agaaaaaata	taactgaaga	gtaacctggg	ctataaaagg	atgaaatgct	gagagggtgt
89941	tcttagctat	tttttgtggg	gcacttttaa	gtattttaaag	agcttttccc	caggaaaatg
90001	taacaacgta	taccattttg	catgcaattc	tagaaggttt	ctaaatctga	ggtcaagaac
90061	ccatgaaaaa	cacataatct	gataatgtgg	gataatgtgg	gaagatttat	ttaagccaca
90121	gcactaggat	tctgaattaa	ccaggaagat	gtgtttatta	tcaaagctgt	taaatgccac
90181	agtggaatac	cattggcatc	gcagttctta	caaatgggaa	aatttctcat	tttttctggg
90241	accgtttgaa	aataagagag	agtgtgggtg	ggccgggagc	ggtggctcat	gcMtgtaatc
90301	ccagcactct	gggaggccca	ggtgggcgga	tcacgaggtc	aggaaatgga	gaccaacctg
90361	ttcaacatgg	cgaaaacccg	tctctactaa	aaatacaaaa	attagcaggg	catgtgggca
90421	cgcacctgtg	gtcccagcta	ctcgggaggc	tgaggcagga	gaatcacttg	aaactgggag
90481	tcagagggtg	cagtgatccg	agatcgcgcc	actgcactcc	agcctggcaa	tagagcgaga
90541	ctctgtcaaa	aaaaaaaaaa	aaaaaaaaaa	gaaagaaaaga	gagaaagaaa	gaaaagaaaa
90601	agaaagaaaa	taagagatag	tttgggcaac	gtctcataat	ttcttcaatc	tgtgatgtgc
90661	taaaagtataa	aaaaaaaaaa	gtgtgtgtgg	gccgggcccg	gtcccagcta	ttcgggaagg
90721	tgaggcagga	gaatcgcttg	aatctgggag	gcggagggtg	cagtgaagtca	agatcggtgc
90781	actgcactcc	agcctgggtg	acagagcgaa	actccgtctc	aaaaaaaaaag	gaaatttttt
90841	agggctgtct	aagttgtgct	cacacacagt	tctctatggc	agtaatctcc	aaatttttaa
90901	ataacacact	cctttcagga	aaacattttg	agcacagatc	cctaataata	gaatattaat
90961	tcagccgggc	gtggtggctc	acgcctgtaa	tcccagcact	ttgggaggcc	gaggcgggcg
91021	gatcacgagg	tcagaagatt	gagaccatcc	tggctaacaa	ggtgaaaccc	tgtctctact
91081	aaaaaaaaaa	aaaaaaaaaa	attagccggg	cgagggtggg	ggcgctgta	gtcccaacta
91141	ctcaggaggc	tgaagcagga	gaatggcgtg	aaccaggag	gcggagcttg	caggggagcg
91201	agattgcgcc	attgcactcc	aacctgggca	acagagggag	actccatctc	aaaaacaaca
91261	aaaaaagaat	attaattcat	ttggaattta	taaatatata	tattcccgtat	ctattaatcc
91321	atgtaaatta	tttgatata	aaaaaatgaa	ttaagaaata	tgaaataaaa	tataattaaa
91381	tattctaaaa	ttttctctcc	caatggatca	tcttgcacac	ctttggaatt	tatgcatccc
91441	attttgagga	ccactataca	acattcttcc	ttaggtaaat	gtactttact	tgccgacaaa
91501	aacaaagaat	gagagctttt	tattggggag	agagggaagag	aaacttaact	ggagcttgca
91561	ttgtaattca	tttttgctag	ttaattcatt	tttgctagtt	gtattaatga	gaaaagagca
91621	ctgggaagtc	aagagataaa	agtatcagtc	caattctaga	atttgggcga	ttccttcaca
91681	tttttaaata	tgttctctcc	tttctaaaaa	gaataattac	tctcttgcat	agctgaatag
91741	gttgctccaa	tgactaagtg	gactatataa	taatgaatgc	aaccttttga	ggtataacat
91801	ataatggatM	ccattctagg	ctcttagtgt	tctgtcactg	tgatccttac	agtaactctt
91861	ctgggtagaa	attattttat	aatgttcaca	aatgagttag	taggtgagcg	atgctggctc
91921	atccctgtaa	tcccagcact	tatggaggcc	aaggcaggag	gattgcttga	ggccaggagt
91981	tggagatcag	cctaggcaat	atagcgaaac	ccattttcta	caaaatcaaa	aaattagcca

## FIGURE 4-Y

92041	ggcgtggtgg	cacaccctgt	attctcaggt	actcgggagg	ctgaagtggg	aggatcactt
92101	gaacccagga	gttcgaggct	gcagtgagct	atgattgcat	cactgcaccc	cagcctgagc
92161	aacagagcga	gaccctgtct	ctctaaaaca	acaactccaa	ataaacaat	gagtgagttc
92221	tggccacaga	ggttattcaa	ggttcctctt	ccattaagga	ggctagcttg	gatttgattg
92281	tgatgcactt	gaccatgctg	cttctcaaac	tcaaattcta	ccatttgatt	gtagggttcc
92341	tagttaagct	agtgataaat	tcagaagtct	tatttcagcc	tcttttctta	catcaatgat
92401	ttcacacaaa	cgattgttaa	aaaaaaaaaa	aaagaaattt	gtgcttcatt	caaagatat
92461	gtccttccaa	attaattttt	ttaattttta	agtatttctc	tagatatgaa	taggtacctt
92521	gatgttggtt	attgagattg	atatttataa	atgactcaga	ttctatgtgt	atttattaca
92581	tcttatcgaa	atgaaatcaa	gattgtgaYc	tgtaagtctc	tgcatactga	atataagttt
92641	ggtctgtcct	taggtttgca	gctgtggttg	cagttcacat	ggtctaatac	tatttgtaac
92701	cttacttttc	ctccagggtc	gcctttgctt	tcaacttagt	gcctttatac	ttgcttttcc
92761	ccccatttaa	taaatcctta	atcctttcca	caagtatata	cgtttgctta	cctgtaaaac
92821	tcccatTTTT	ccctatttaa	ctttacccaa	ttcatatcat	tcttttgaga	ctgaacacct
92881	ctaYaatttt	tctcgatagt	gcaatggagg	tctgcatgta	catacagagg	gaattcaata
92941	aacctttact	ggctatcagt	aatactagtt	tttatacctt	atggcagggt	aatactgtag



## FIGURE 5

NM\_004087 [gi:4758161] Homo sapiens discs, large homolog 1 (Drosophila) (DLG1), mRNA

Gttggaaacggcactgctgagtgaggttgaggggtgtctcggtatgtgcgcccttggtatctggtgtaggcgaggtcac  
gcctctcttcagacagccccgagccttcccggcctggcgcgttttagttcggaactgcgggacgcccgtgggctagggc  
aaggtgtgtgcccctcttcctgattcttgagaaaaatgccggtccggaagcaagataccagagagcattgcaccttt  
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tttcagagcaacctctttcaggctttaatagatattcaagaattttatgaagtgaaccttactggataatccaaaatg  
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tgacttcagagacactgccaaagcagccttagccctagtgtagagaaatacaggtatcaggatgaagatacacctcct  
caagagcatatttccccacaaatcacaaatgaagtgatagggtccagaattgggttcattgtctcagagaagaacttatc  
agagattgagaatgtccatggatttgtttctcattctcatatttcaccaataaagccaacagaagctgttcttcctt  
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tactgaacatttcacagctattgtacagggggatagcgtggaagacatttacaaccaagtgaacagatcatagaag  
aacaatctgggttcttacatctgggttccggcaaaaagaaagctatgaaaactcatgtttctctgtttctctttcca  
caattccattttctttggcatctctttgcccttctcttgaaaaa

## FIGURE 6

NM\_014660 [gi:7662303] Homo sapiens PHD finger protein 14 (PHF14), mRNA

```
ctgaggcagccgccctcgcgctgtgcaatttctggtctttcgttgcttctggtccaggctaataaagtttttctttc
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ggaggtcttctccggccaggagcgctgtgggaaggggctcgagcgccagggccaggcgaggccggggggggcgggg
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aagctcttgattatgatagttcagatgacagtgattttaaagttggagatgcctcagattctgaagggagtggtaat
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```

## FIGURE 7

NM\_012074 [gi:13442997] Homo sapiens D4, zinc and double PHD fingers, family 3 (DPF3), mRNA

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## FIGURE 8

NM\_001812 [gi:4502778] Homo sapiens centromere protein C 1 (CENPC1), mRNA

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## FIGURE 9

NP\_004078 [gi:4758162] synapse-associated protein 97; discs large homolog 1; presynaptic protein SAP97

MPVRKQDTQRALHLL EYRSKLSQTEDRQLRSSIERVINIFQSNLFQALIDIQEF  
YEVTLLDNPKCIDRSKPSEPIQPVNTWEISSLPSTVTSETLPSSLSPSVEKYRY  
QDEDTPPQEHIS PQITNEVIGPELVHVSEKNLSEIENVHGFVSHSHISPIKPTEAV  
LPSPPTVPVIPVLPVPAENTVILPTIPQANPPPVLVNTDSLETPTYVNGTDADYE  
YEEITLERGNSGLGFSIAGGTDNPHIGDDSSIFITKIITGGAAAQDGRLRVND CI  
LQVNEVDVRDVTHSKAVEALKEAGSIVRLYVKRRKPVSEKIMEIKLIKGP KG  
LGFSIAGGVGNQHIPG DNSIYVTKIIEGGA AHKDGK LQIGDKLLAVNNVCLEE  
VTHEEAVTALKNTSDFVYLK VAKPTSMY MNDGYAPPDITNSSSQPVDNHVSP  
SSFLGQTPASPARYSPVSKAVLGDDEITREPRKVVLHRGSTGLGFNIVGGEDG  
EGIFISFILAGGPADLSGELRKGDRIISVNSVDLRAASHEQAAAALKNAGQAVT  
IVAQYRPEEYSRFEAKIHDLREQMMNSSISSGSGSLRTSQKRSLYVRALFDYD  
KTKDSGLPSQGLNFKFGDILHVINASDDEWWQARQVTPDGESDEVGVIPSKR  
RVEKKERARLKT VKFNSKTRDKGQSFNDKRKKNLFSRKFPFYKNKDQSEQET  
SDADQHVTSNASDSESSYRGQEEYVLSYEPVNQQEVNYTRPVII LGPMKDRIN  
DDLISEFPDKFGSCVPHTTRPKRDYEVDGRDYHFVTSREQMEKDIQE HKFIEA  
GQYNNHLYGTSVQSVREVAGKGKHCILDVSGNAIKRLQIAQLYPISIFIKPKS  
MENIMEMNKRLTEEQARKTFERAMKLEQEFTEHFTAIVQGD TLEDIYNQVKQ  
IIEEQSGSYIWVPAKEKL

### DLG1 Domains

Gene	Prediction Method	Accession ID	Domain Description	Start	End
DLG1	Pfam	PF00595	PDZ	218	304
DLG1	Pfam	PF00595	PDZ	313	399
DLG1	Pfam	PF00595	PDZ	460	540
DLG1	Pfam	PF00018	SH3	578	644
DLG1	Pfam	PF00625	Guanylate_kin	741	843
DLG1	prosite	PS00856	Guanylate_kin	740	757
DLG1	pfscan	PS50106	PDZ	218	256

## FIGURE 10

NP\_055475 [gi:7662304] PHD finger protein 14 [Homo sapiens]

MDRSSKRRQVKPLAASLLEALDYDSSDDSDFKVGDASDSESGNGSEDASKD  
SGEGSCSDSEENILEEELNEDIKVKEEQLKNSAEEVLSSEKQLIKMEKKEEEE  
NGERPRKKREKEKEKEKEKEKEKEKEKEKEKATVSENVAAASAAATTPATSP  
AVNTSPSVPTTTTATEEQVSEPCKWNLRRNRPLLDVFSMEELNDMDDYDSED  
DNDWRPTVVKRKGRSASQKEGSDGDNEDDEDEGSGSDEDENDEGNDEDHSS  
PASEGGCKKKKSKVLSRNSADDEELTNDSTLSQSKSNEDSLILEKSQNWSSQ  
KMDHILICCVCLGDNSEDADEIIQCDNCGITVHEGCGYGVDSGESDSIMSSASENS  
TEPWFCDAKCGVSPSCCLCPNQDGIFKETDAGRWWHIVCALYVPGVAFGDI  
DKLRPVTLTENMYSKYGAKECSFCEDPRFARTGVCISCDAGMCRAYFHVTCA  
QKEGLLSEAAAEEDIADPFFAYCKQHADRLDRKWKRKNYLALQSYCKMSLQ  
EREKQLSPEAQARINARLQQYRAKAELARSTRPQAWVPREKLPRPLTSSASAI  
RKLMRKAELMGISTDIFPVDNSDTSSSVSDGRRKHKQPALTADFNYYFERNM  
RMIQIQENMAEQKNIKDKLENEQEKLHVEYNKLCESEELQNLNGKLRSEGQ  
GIWALLGRITGQKLNIPAILRAPKERKPSKKEGGTQKTSTLPAVLVYSCGICKKN  
HDQHLLLLCDTCKLHYHLGCLDPPLTRMPRKTKNSYWQCSECDQAGSSDME  
ADMAMETLPDGTGRSRRQIKEPVKFVPQDVPPEPKKIPRNTRTRGRKRSFVP  
EEKHHEERVPRERRQRQSVLQKKPKAEDLRTECATCKGTGDNENLVRYPS

## FIGURE 11

NP\_036206 [gi:13442998] cer-d4 (mouse) homolog; 2810403B03Rik [Homo sapiens].

MATVIHNPLKALGDQFYKEAIEHCRSYNSRLSAERSVRLPFLDSQTGVAQNN  
CYIWMEKRHRGPGLAPGQLYTPARCWRKKRRLHPPEDPKLRLLEIKPEVEL  
PLKKGFTSESTTLEALLRGEGVEKKVDAREEESIQRVLENDENVEEGNE  
EEDLEEDIPKRKDRTRGRARCPLPSLHCFSSLPSAVIDAKEWGGGGKWEATV  
AYRKKKIYPVHIFNM



## FIGURE 12

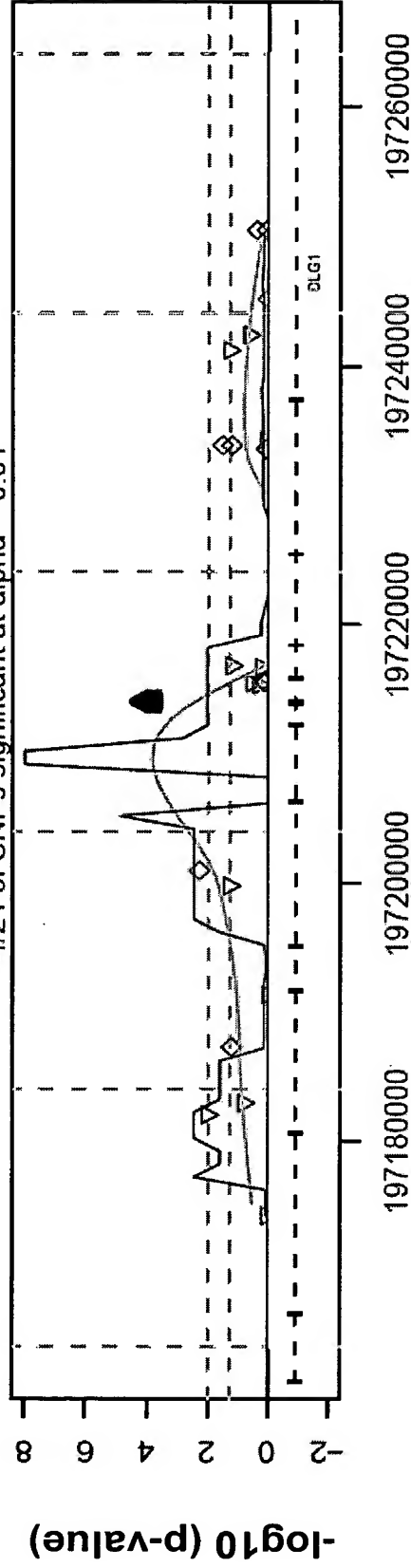
NP\_001803 [gi:4502779] centromere protein C 1; Centromere autoantigen  
C1 [Homo sapiens]

MAASGLDHLKNGYRRRFCRPSRARDINTEQGQNVLEILQDCFEESLANDFS  
TNSTKSVPNSTRKIKDTCIQSPSKECQKSHPKSVPVSSKKKEASLQFVVEPSEA  
TNRSVQAHEVHQKILATDVSSKNTPDSKKISSRNINDHHSEADEEFYLSVGSPS  
VLLDAKTSVSQNVIPSSAKKRETYTFENSVNMLPSSTEVSVKTKKRLNFDDKV  
MLKKIEIDNKVSDEEDKTSEGQERKPSGSSQNRIRDSEYEIQRQAKKSFSTLFL  
ETVKKRSESSPIVRHAATAPPHSCPPDDTKLIEDEFIIDESDQSFASRSWITIPRK  
AGSLKQRTISPAESTALFQGRKSREKHHNILPKTLANDKHSHKPHPVETSQPS  
DKTVLDTSYALIDETVNNYRSTKYEMYSKNAEKPSRSKRTIKQKQRRKFMAK  
PAEEQLDVGQSKDENIHTSHITQDEFQRNSDRNMEEHEEMGNDCVSKKQMPP  
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GNQRVQKFLNAEGSGGIVGHDEISRCSLSEPLESDEADLAKKKNLDCSRSTRS  
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YLMSGKNDVDDEEVHGSSDDSKQSKVIPKNRIHHKLVLPSNTPNVRRTKRTR  
LKPLEYWRGERIDYQGRPSGGFVISGVLSPDTISSKRKAKENIGKVNKKSNNK  
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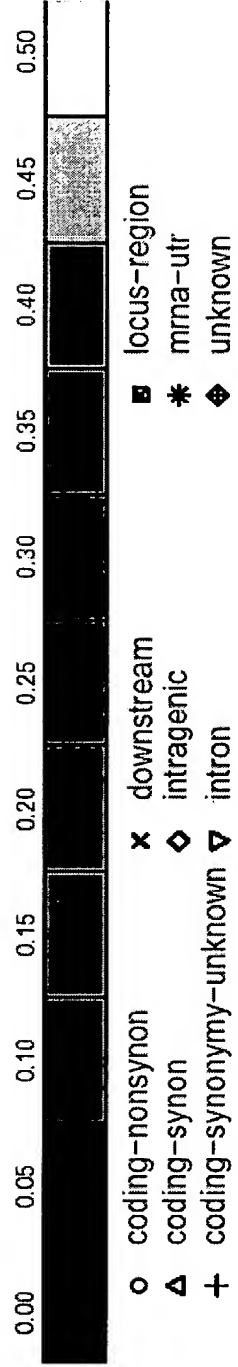
# FIGURE 13

DLG1

Chr. 3, FCH-1723  
4/24 of SNPs significant at  $\alpha = 0.01$



Chromosome position

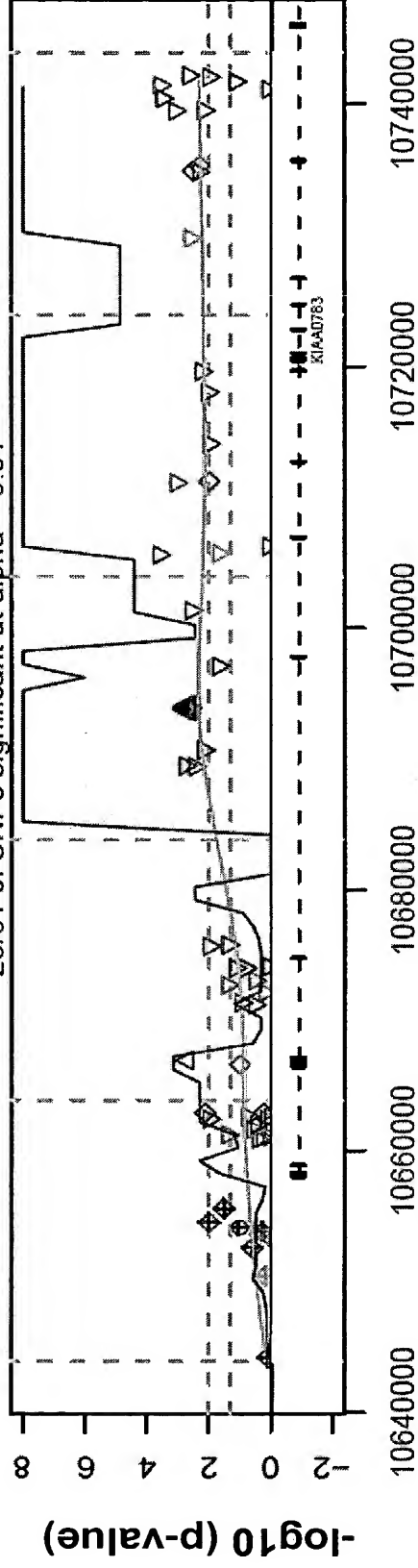


# FIGURE 14

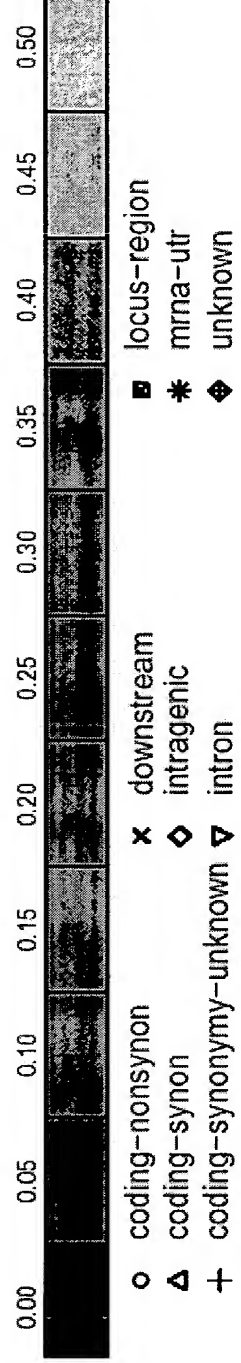
KIAA0783

Chr. 7, GP07\_010162759

28/61 of SNPs significant at  $\alpha = 0.01$



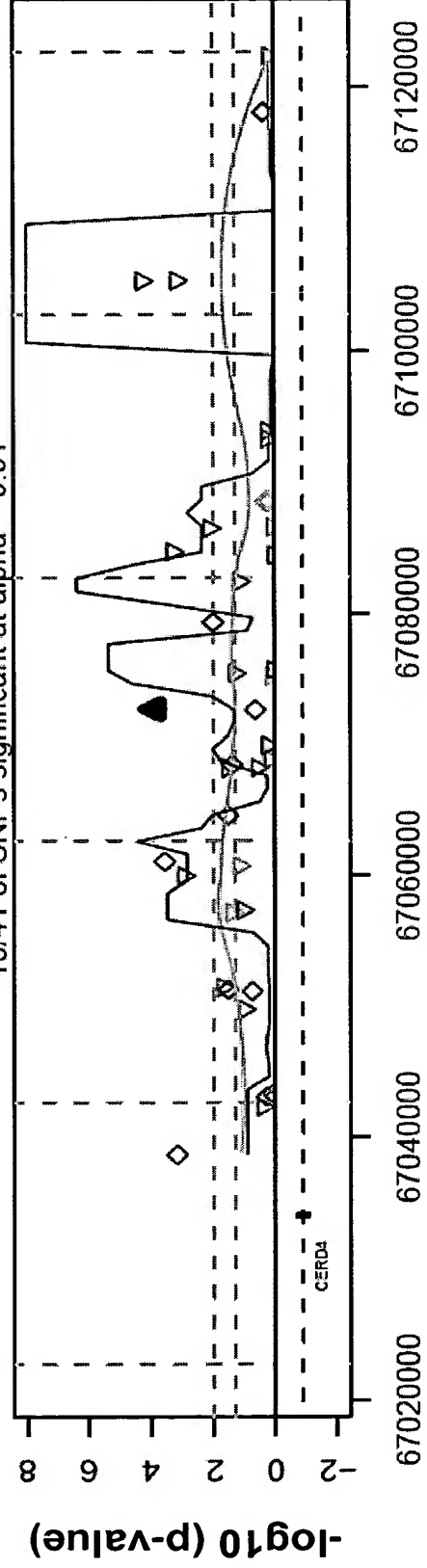
Chromosome position



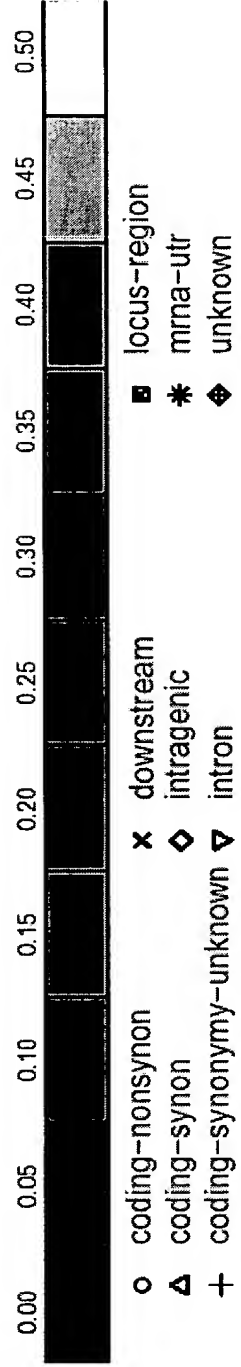
# FIGURE 15

DPF3

Chr. 14, GP14\_070498195  
10/41 of SNPs significant at  $\alpha = 0.01$



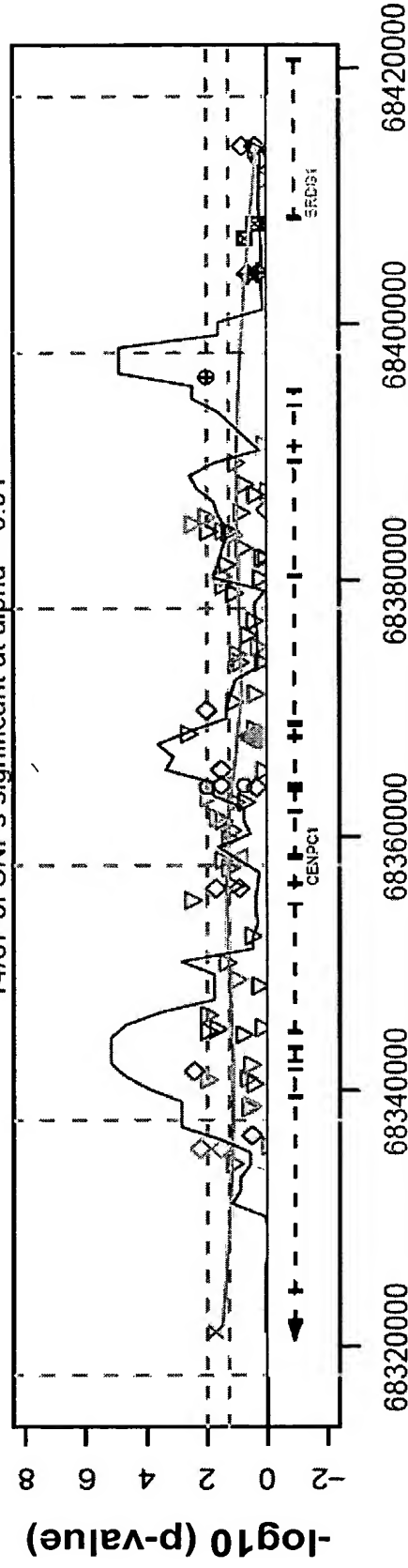
Chromosome position



# FIGURE 16

## CENPC1

Chr. 4, GP04\_071895328  
14/87 of SNPs significant at  $\alpha = 0.01$



## Chromosome position

